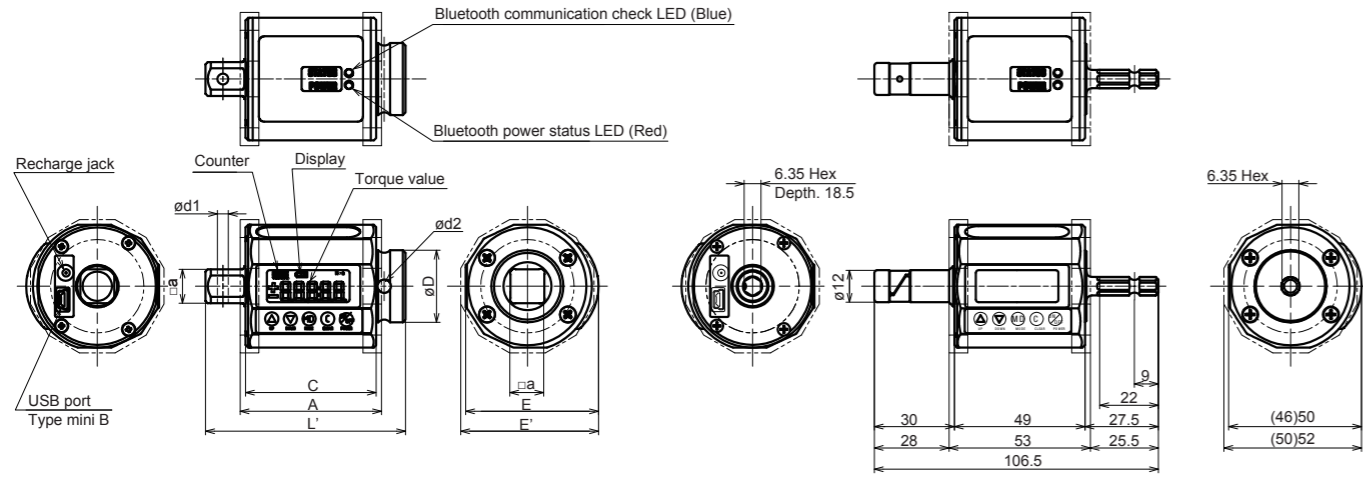


Dimensions

■ ST10N3-G(-BT) to 1000N3-G(-BT)

■ ST15N3-6.35-G(-BT)

[mm]



| Model | L' | E | C | øD | □a | øD1 | øD2 | A | E' | [kg] |
|---------------------|-------|------|----|----|-------|-----|-----|----|------|------|
| ST10N3-G(-BT) | 75 | | | 13 | 6.35 | 2.1 | 2.1 | | | |
| ST15N-6.35-3-G(-BT) | 106.5 | | | - | - | - | - | | | |
| ST20N3-G(-BT) | | 46 | | 18 | 9.53 | 3.1 | | | 50 | |
| ST50N3-3/8-G(-BT) | 75 | (50) | 49 | 27 | 12.7 | 4.1 | 5 | 53 | (52) | 0.25 |
| ST50N3-1/2-G(-BT) | | | | | | | | | | |
| ST100N3-G(-BT) | | | | | | | | | | |
| ST200N3-G(-BT) | | | | | | | | | | |
| ST500N3-G(-BT) | 125 | 68.5 | 73 | 38 | 19.05 | 6 | 6 | 78 | 71 | 1.3 |
| ST1000N3-G(-BT) | 135 | | | 51 | 25.4 | 6.5 | 6.5 | | | |

Torque Range

Torque Accuracy +/-1%+1digit
Angle Accuracy +/-2%+1digit

| Model | N·m | | | cN·m | | kgf·cm | | kgf·m | | ozf·in | | lbf·in | | lbf·ft | |
|--------------------|------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | Min. Snug Torque | Min.-Max. | 1 digit | Min.-Max. | 1 digit | Min.-Max. | 1 digit | Min.-Max. | 1 digit | Min.-Max. | 1 digit | Min.-Max. | 1 digit | Min.-Max. | 1 digit |
| ST10N3-G(-BT) | 0.50 | 2-10 | 0.01 | 200-1000 | 1 | 20-100 | 0.1 | 0.2-1 | 0.001 | 280-1400 | 1 | 17.6-88 | 0.1 | 1.5-7.3 | 0.01 |
| ST15N3-6.35-G(-BT) | 1.00 | 4-15 | 0.02 | 400-1500 | 2 | 40-150 | 0.2 | 0.4-1.5 | 0.002 | 560-2100 | 2 | 35-132 | 0.2 | 3-11 | 0.02 |
| ST20N3-G(-BT) | | 4-20 | | 400-2000 | | 40-200 | | 0.4-2 | | 560-2800 | | 35-175 | | 3-14.5 | |
| ST50N3-3/8-G(-BT) | 2.50 | 10-50 | 0.05 | 1000-5000 | 5 | 100-500 | 0.5 | 1-5 | 0.005 | 1400-7000 | 5 | 88-440 | 0.5 | 7.5-36.5 | 0.05 |
| ST50N3-1/2-G(-BT) | | | | | | | | | | | | | | | |
| ST100N3-G(-BT) | 5.00 | 20-100 | 0.1 | - | - | 200-1000 | 1 | 2-10 | 0.01 | - | - | 176-880 | 1 | 15-73 | 0.1 |
| ST200N3-G(-BT) | 10.00 | 40-200 | 0.2 | - | - | 400-2000 | 2 | 4-20 | 0.02 | - | - | 350-1750 | 2 | 30-145 | 0.2 |
| ST500N3-G(-BT) | 25.00 | 100-500 | 0.5 | - | - | 1000-5000 | 5 | 10-50 | 0.05 | - | - | 880-4400 | 5 | 75-365 | 0.5 |
| ST1000N3-G(-BT) | 50.00 | 200-1000 | 1 | - | - | - | - | 20-100 | 0.1 | - | - | - | - | 150-735 | 1 |

- Accuracy of snug torque which is below torque measuring range is not guaranteed.
- -BT refers to the model with Bluetooth communication function.
- Do not use ST3-G(-BT) with impact tools.



YouTube Product movies are available. Visit Tohnichi TV.
<https://www.youtube.com/channel/UCjJorELcVWgd9rajULGdFNQ>

TOHNICHI MFG. CO., LTD.
URL <http://tohnichi.jp>
E-mail overseas@tohnichi.co.jp
N.V. TOHNICHI EUROPE S.A.
E-mail tohnichi-europe@tohnichi.co.jp
TOHNICHI AMERICA CORP.
URL <http://www.tohnichi.com>
E-mail inquiry@tohnichi.com
TOHNICHI SHANGHAI MFG. CO., LTD.
URL <http://www.tohnichi-sh.com>
E-mail sales@tohnichi-sh.com



ST3-G/ST3-G-BT

Rotary Peak Torque Meter with Angle Detection



- World's smallest torque checker with high accuracy
- Compact design with built-in battery suitable for torque check of nutrunners
- Nine models cover overall torque range of 2 to 1000N·m
- Multiple measuring unit selection
- All nine models with Bluetooth® are available
- Hex 6.35mm bit type model added





Example

Set up between nutrunner and assemble application.

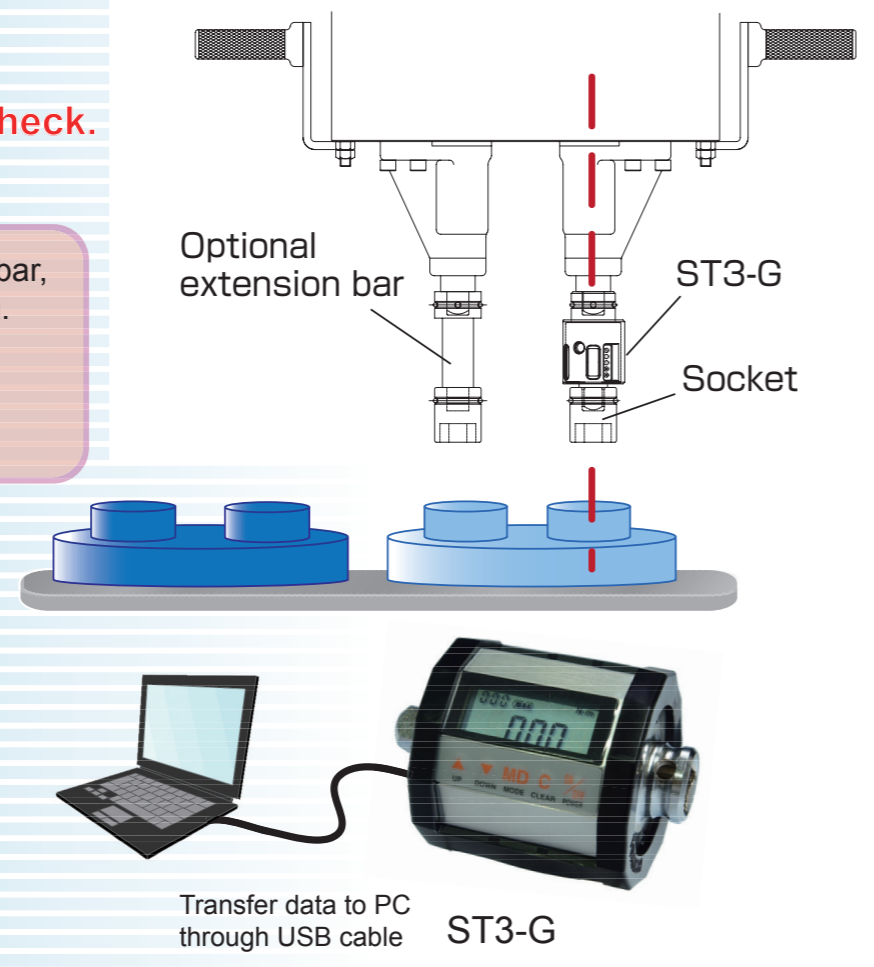
ST3-G provides daily torque check.

Advantages

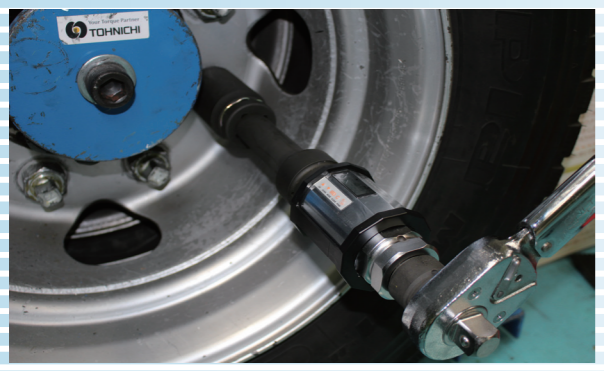
- Using ST3-G with optional extension bar, you can check torque while tightening.
- Because battery is built in, there is no difficulty from cable interference.

| | Torque | Angle | |
|---|--------|-------|---|
| | A | B | C |
| 1 | 24 | 28 | |
| 2 | 22.6 | 30 | |
| 3 | 22.5 | 32 | |
| 4 | 18.5 | 31 | |
| 5 | 18.4 | 29 | |

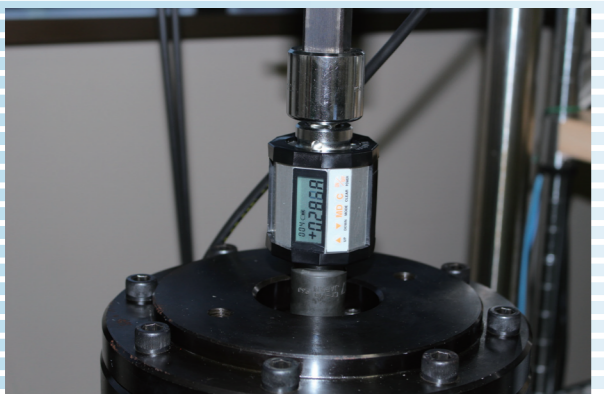
* Free Excel Receiver software available



Various usages



ST100N3-G with click type torque wrench for wheel tightening



ST200N3-G-BT for multi-spindle nutrunners



ST100N3-G for handy type nutrunners



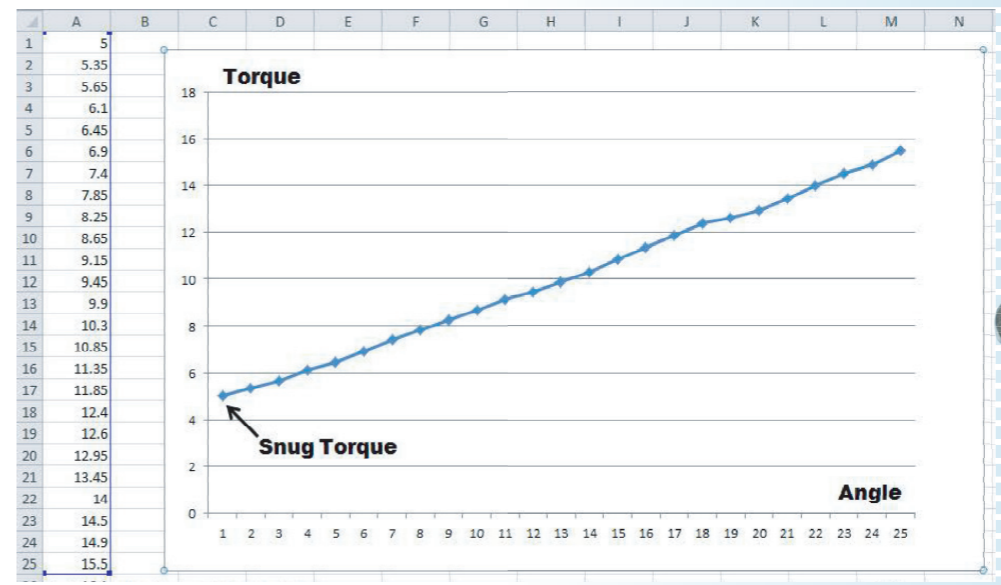
ST15N3-6.35-G for bit type nutrunners

Features

- Store capacity maximum 999 data peak torque and final angle values.
- 2 hours charging enables 10 hours continuous use or 8 hours use when Bluetooth on.
- ST3-G is able to evaluate rotation angle from a point of snug torque.
- ST3-G is applicable for both clock wise and counter clock wise measurement.

Special features for Bluetooth version ST3-G-BT

- ☆ 999 Data Store mode or Data Chart Output mode can be selected.
- ☆ Available to change the snug torque by wireless.



Data Chart Output Function

- ST3-G-BT outputs torque data every 1 degree of angular rotation from snug torque point.
- * Only one result of consecutive torque data can be saved.
- Bluetooth models require the wireless equipment certification of your country. Please contact Tohnichi for status of the wireless equipment certification acquisition.

Standard accessories

Battery charger, AC Adapter conversion plug, Plug cover, Case, Operating manual, USB Cable (Not available for ST3-G-BT models)

Optional accessories

Extension bar

| Part No. | Applicable Model |
|----------|-------------------|
| 283 | ST10N3-G(-BT) |
| 281 | ST20N3-G(-BT) |
| | ST50N3-3/8-G(-BT) |
| 247 | ST50N3-1/2-G(-BT) |
| | ST100N3-G(-BT) |
| 248 | ST200N3-G(-BT) |
| | ST500N3-G(-BT) |
| 249 | ST1000N3-G(-BT) |



* Length of Extension Bar is same as ST3-G to provide same height.

TCL calibration kit

| Model | Applicable Model |
|----------|-------------------|
| TCL50N | ST10N3-G(-BT) |
| | ST20N3-G(-BT) |
| | ST50N3-3/8-G(-BT) |
| TCL200N | ST50N3-1/2-G(-BT) |
| | ST100N3-G(-BT) |
| TCL800N | ST200N3-G(-BT) |
| TCL1000N | ST500N3-G(-BT) |
| | ST1000N3-G(-BT) |