# **Tightening Torque Specification Chart**



1 You must read this before you proceed.

### Precautions for secure bolting

- The bolt must be free of irregularities and go straight into the matching hole.
- ②Check whether the selected tool matches the type and shape of the bolt.
- 3 Make sure you are holding the tool straight, not at an angle to the bolt and setting it all the way down.
- 4)Only begin bolting process after the above precautions are carefully taken. \*Incorrectly tightened bolts can lead to component breakdowns and resulting in accident. \*Tightening too quickly can lead to inaccurate tightening (e.g., insufficient tightening).

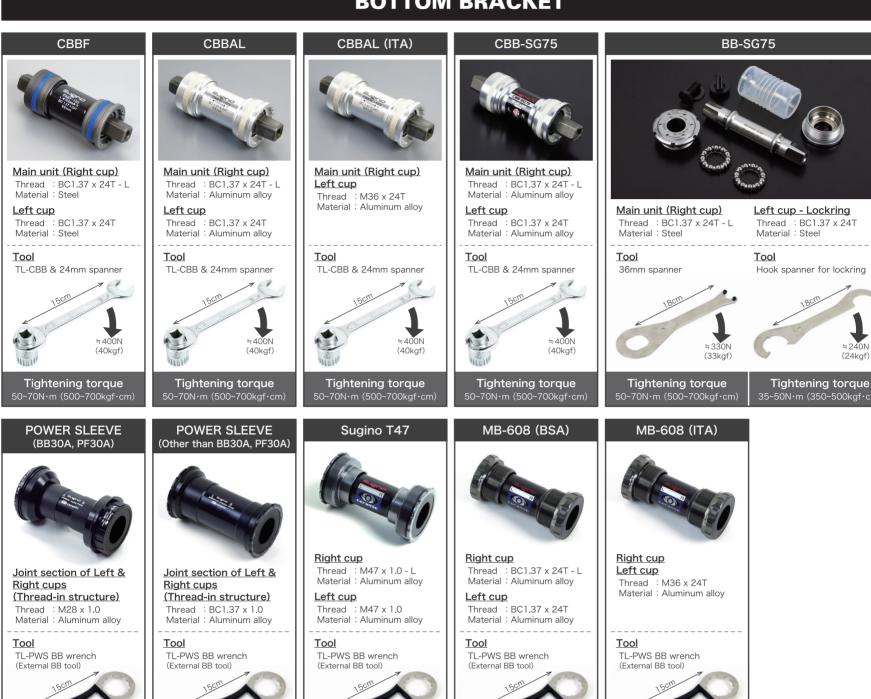


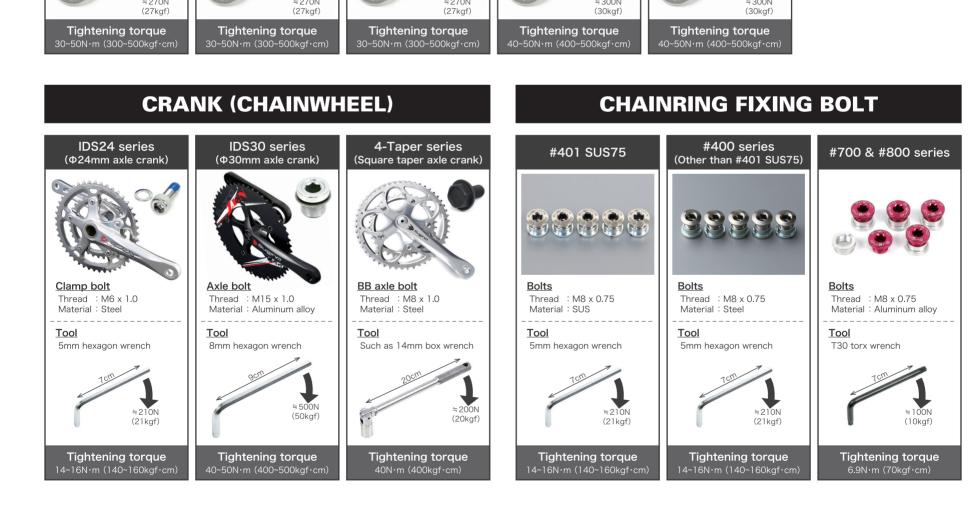
#### Precautions for use of torque wrench

Torque wrench is a precision tool. Incorrect use can compromise accuracy and damage it. Torque wrench is used to check an already tightened bolt only for achieving final torque values.

Be sure to apply force slowly perpendicular to the wrench handle.

## **BOTTOM BRACKET**







\*The torque specifications in the chart are determined for fastening components in Sugino products, and don't apply to those in other brands'.