



Safety Chuck Brake Adapter Kits

for use with BTBA, T Series and S Series Brakes



DANGER

Read this manual carefully before installation and operation.

Follow Nexen's instructions and integrate this unit into your system with care.

This unit should be installed, operated and maintained by qualified personnel ONLY.

Improper installation can damage your system or cause injury or death.

Comply with all applicable codes.

In accordance with Nexen's established policy of constant product improvement, the specifications contained in this manual are subject to change without notice. Technical data listed in this manual are based on the latest information available at the time of printing and are also subject to change without notice.

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INSTALLATION

SAFETY CHUCK PREPARATION

1. Remove orange cap from the back of the Safety Chuck.

If applicable, remove threaded inserts from the two mounting holes on the back of the Safety Chuck.
2. Apply Loctite®242 or equivalent to the low head cap screw provided with the Adapter Kit.
3. Mount adapter plate on back of the Safety Chuck using a minimum of four low head cap screws.

NOTE: Be sure that the plate is properly aligned, so it does not rub on the shaft of the Safety Chuck.

4. Tighten the low head cap screws using the torque value listed in Table 1.

BTBA ADAPTER KIT

1. Install the first jam nut onto the anti-rotation pin so it is threaded on as far as it can travel.
2. Slide the pin into one of three mounting holes in the Adapter Plate. Choose the hole based on where you want the fan electrical connection oriented.

NOTE: The smooth part of the pin will be inserted into the BTBA anti-rotation hole.

3. Apply Loctite®242 or equivalent on the pin, and install the second jam nut onto the anti-rotation pin and secure the nut against the adapter plate using the recommended tightening torque listed in Table 2.
4. Mount the brake on the shaft, aligning the anti-rotation hole with the pin in the adapter plate.
5. Secure the brake to the shaft allowing a minimum amount of clearance between the brake and the adapter plate.

NOTE: Make sure that the brake hub does not come in contact with the low head cap screws used to mount the plate to the Safety Chuck.

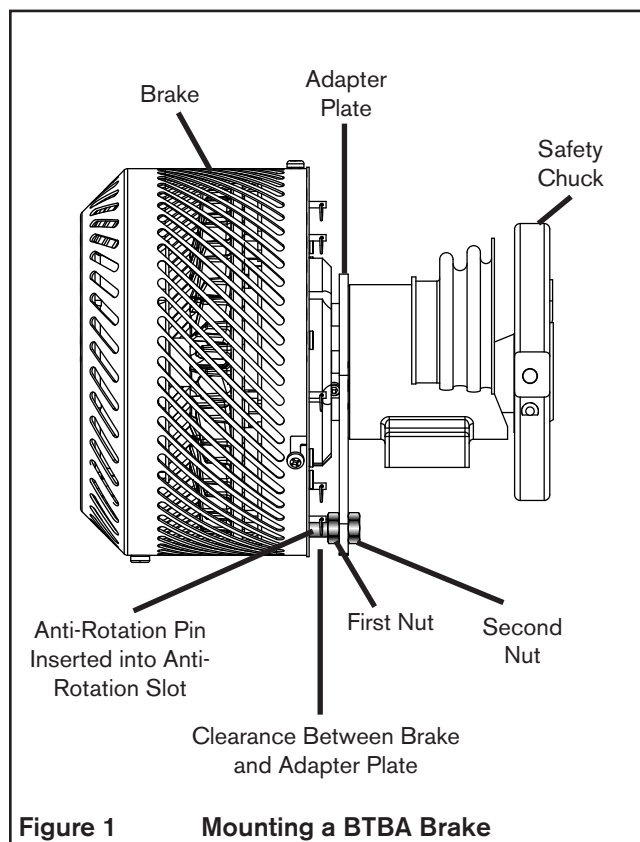


Figure 1 Mounting a BTBA Brake

Table 1

Screw Type	Tightening Torque
M5	8 Nm [75 in-lbs]
M6	14 Nm [125 in-lbs]
M8	28 Nm [250 in-lbs]
M10	45 Nm [400 in-lbs]
M12	101 Nm [900 in-lbs]

Table 2

Jam Nut	Tightening Torque
.250-20	7 Nm [58 in-lbs]
.375-15	24 Nm [216 in-lbs]
.500-13	38 Nm [335 in-lbs]

SAFETY CHUCK PREPARATION

1. Remove orange cap from the back of the Safety Chuck.

If applicable, remove threaded inserts from the four mounting holes on the back of the Safety Chuck.
2. Apply Loctite®242 or equivalent to the low head cap screw provided with the Adapter Kit.
3. Mount adapter plate on back of the Safety Chuck using a minimum of four low head cap screws.

NOTE: Be sure that the plate is properly aligned, so it does not rub on the shaft of the Safety Chuck.

4. Tighten the low head cap screws using the torque value listed in Table 1.

STANDARD OR ADVANCED T- SERIES AND S-SERIES BRAKE ADAPTER KIT

1. Install the flat washer on the cap screw.
2. Slide cap screw and washer into one of three mounting holes in the Adapter Plate. Choose the hole based on where you want the brake air inlet oriented. It is best to orient the inlet towards the bottom of the brake to facilitate the drainage of any moisture from the assembly.

NOTE: The bolt head should be facing away from the Safety Chuck.

3. Apply Loctite®242 or equivalent to the screw threads and secure nut to the Adapter Plate using the recommended tightening torque listed in Table 2.
4. Mount the brake on the shaft following the instructions provided with the brake. Align the anti-rotation slot with the head of the cap screws in the adapter plate.
5. Secure the brake to the shaft allowing a minimum amount of clearance between the brake and the adapter plate.

NOTE: Make sure that the brake hub does not come in contact with the low head cap screws used to mount the plate to the Safety Chuck.

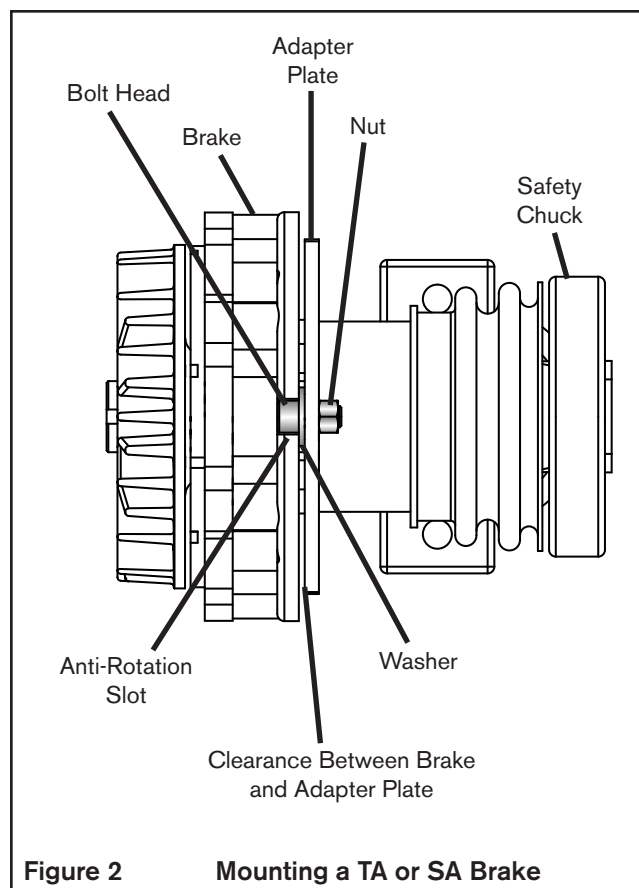


Figure 2 Mounting a TA or SA Brake

Table 1

Screw Type	Tightening Torque
M5	8 Nm [75 in-lbs]
M6	14 Nm [125 in-lbs]
M8	28 Nm [250 in-lbs]
M10	45 Nm [400 in-lbs]
M12	101 Nm [900 in-lbs]

Table 2

Jam Nut	Tightening Torque
.250-20	7 Nm [58 in-lbs]
.375-15	24 Nm [216 in-lbs]
.500-13	38 Nm [335 in-lbs]

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