

OPENER INSTALLATION C-SHANK

047-ASY-1000, 610 & 612 SERIES OPENERS

- For 1" shanks use 1/2" x 2" **Grade 8** Carriage Bolt, **961-CRG-2005**
- For 1-1/4" shanks use 1/2" x 2-1/4" **Grade 8** Carriage Bolt, **961-CRG-2255**
- When installing on a **50° shank** other than Bourgault or Ezee-On use **wedge 880-WDG-0300 or 880-WDG-0301**. See page 102 of the catalogue for more information.

When using these wedges different bolt lengths are required:

- For 1" shank use 1/2" x 2-1/4" **Grade 8** Bolt, **961-CRG-2255**
- For 1 1/4" shank use 1/2" x 2-1/2" **Grade 8** Bolt, **961-CRG-2505**
- 1/2" Stover Lock Nuts, **906-NPT-5005**

Torque shank bolts to 80 - 100 ft/lbs.

NOTE: For 047-VRT-1040 and 047-KNH-1000 refer to page 18 of the catalogue.

600 & 620 SERIES OPENERS

Use 1/2" Hex Head **Grade 8** Bolt

Torque shank bolts to 120 - 130 ft/lbs.

NOTE: Blue Loctite is also recommended

OPENER INSTALLATION EDGE ON

BOURGAULT 3310 & 3320 EDGE ON SHANK

3/8" x 2-1/4" **Grade 8** Carriage Bolts, **960-CRG-3755**

- 3/8" Stover Lock Nut, **906-NPT-3755**
- For the 680-ASY-4020 use spacer plate **680-ACC-0003**
- For the 680-ASY-4026 use the **680-ACC-0002**

MORRIS MAXIM

- 3/8" x 2-1/4" **Grade 8** Carriage Bolts, **960-CRG-3755**
- 3/8" Stover Lock Nut, **906-NPT-3755**

For more detailed installation instructions refer to the individual part pages.