

Instructions for the replacement of “Rod end” on the Intelligent Knee

1. Applications

- i) Single axis Intelligent Knee (TYPE: NI-C111t)
- ii) Four bar Intelligent Knee (TYPE: NI-C411)

2. Procedures

- i) Disconnect code of the battery and remove the cylinder module unit.
- ii) Loosen “Locknut ②” and take “Rod end ①” off .
- iii) Screw up a new “rod end ①” to “Piston rod ③”. At this time, apply adhesive (LOCTITE#242 or equivalent) on the thread.

iv) The length L is regulated as follows:

- ① Single axis IP L = 133.5mm
- ② Four bar IP L = 137.0mm

NOTE: “L” means the length between center of rod end and that of trunnion pin with the shortest condition of the cylinder, which the piston contacts with the bottom of the cylinder tube.

- v) Tighten “Locknut ②” with the regulated length.
- vi) Install the cylinder module unit and connect battery code.

