

# ADJUSTABLE-TORQUE HANDLES

## INSTRUCTIONS

QLTL

### Operating-Load Setting

The handle folds to restrict clamping force if the applied handle-operating load exceeds a set value while the handle is turned.

Note that if you continue to turn the handle after it folds, a clamping force greater than set will be generated.

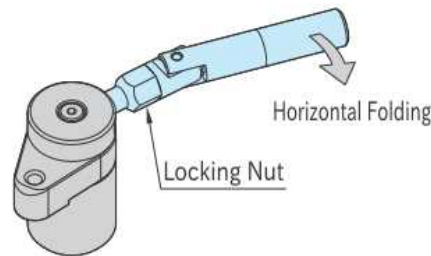
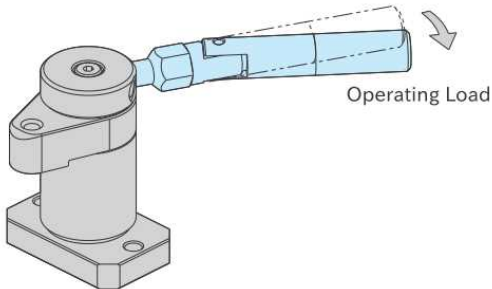
Clamping force can be adjusted by turning the set screw inside the handle.

### Operating-Load Setting Range

QLTL120/QLTL120-RL : 30N to 120N

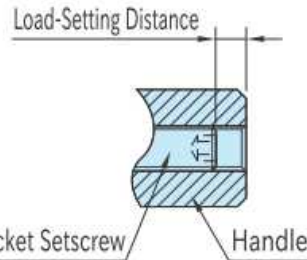
QLTL160/QLTL160-RL : 50N to 160N

Note : Ensure that the operating load is not set below the lower limit to prevent the handle from returning to the unclamping position due to shock load generated during the transfer of machine pallets.



The desired clamping force is reached when the handle folds approximately 15°. See the page of each clamp for the information on operating load vs. clamping force.


Note : Ensure that the handle is set to fold horizontally.

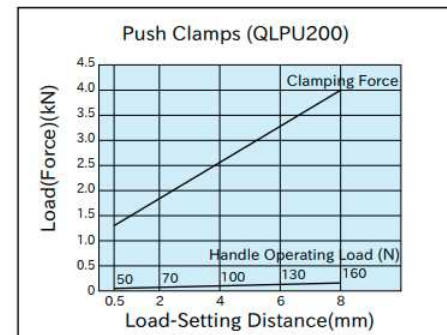
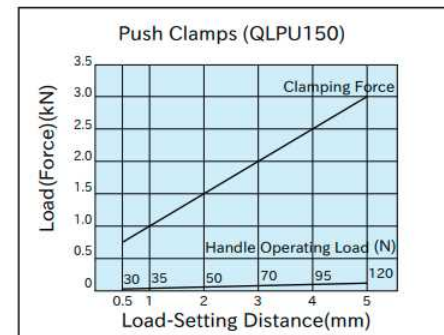
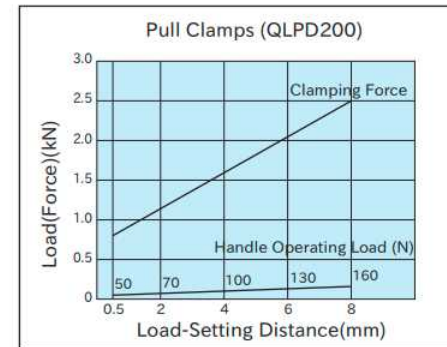
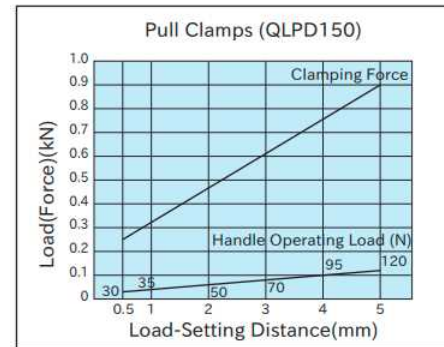
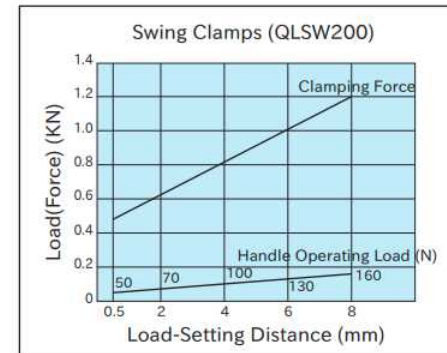


### Performance Curve

#### ■ Proper One-Touch Clamps

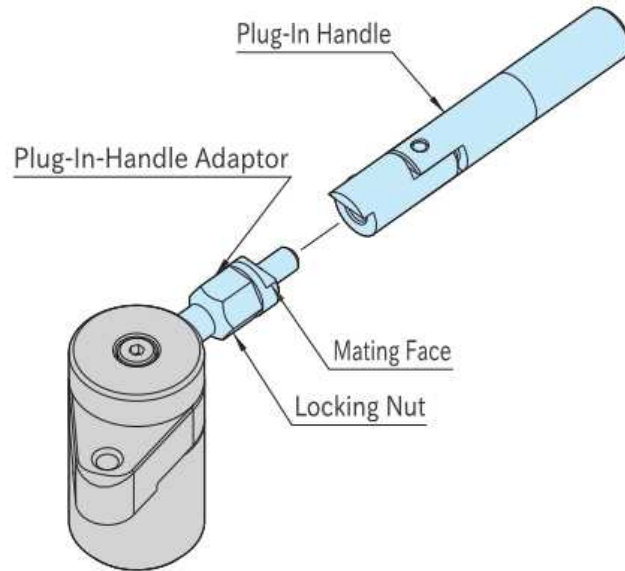
- SWING CLAMPS <QLSW>
- PULL CLAMPS <QLPD>
- PUSH CLAMPS <QLPU>

 The performance curves shown below do not denote the guaranteed performance.



## Plug-In Handle Installation

When installing the adaptor, ensure that the mating face is set horizontally.



When coupling the handle with the adaptor, ensure that the handle has full contact with the adaptor's mating face. Secure the handle to the adaptor using the lockingscrew if necessary.

