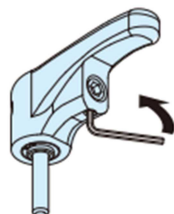


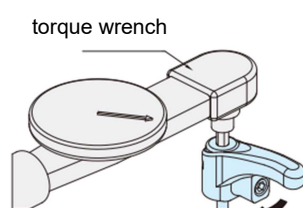
Instruction Manual For Adjustable-torque Handles

■ How To Set Torque

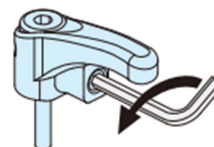
*) The preset torque is roughly its maximum tightening torque.



1. Loosen the locking screw by inserting a hex wrench into the underside of the body.

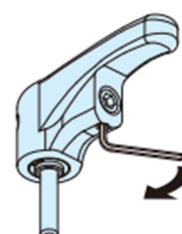


3. Measure the torque with a torque wrench.
 - Connect a torque wrench to the Adjustable-Torque Handle.
 - Apply a load in the tightening direction, and fine adjust the depth of torque-adjusting screw to reach the desired torque when the handle clicks.



2. Adjust the torque by turning the torque-adjusting screw in the side of the body.

*) Adjust the torque-adjusting screw within the torque range.



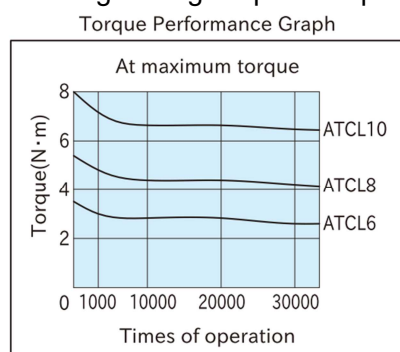
Do not overtighten or overloosen the screw.

Type	Torque Range (N·m)	Tightening Force (kN)
ATCL 6	1~3.5	0.8~2.9
ATCL 8	2~5.4	1.3~3.4
ATCL10	3~8	1.5~4

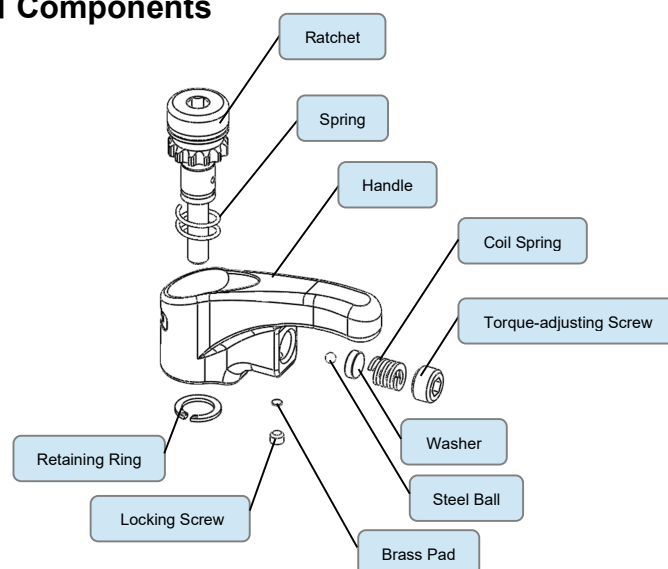
4. When the desired torque is reached, tighten the locking screw.

■ Notes

- For initial several thousand operations, the tightening torque decreases. (See the graph below.)
- Measure the torque regularly, and fine adjust the depth of torque-adjusting screw when needed.
- The tightening torque can vary. (Max.±15%)
Not recommended for applications where precise tightening torque is required.



■ Components



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