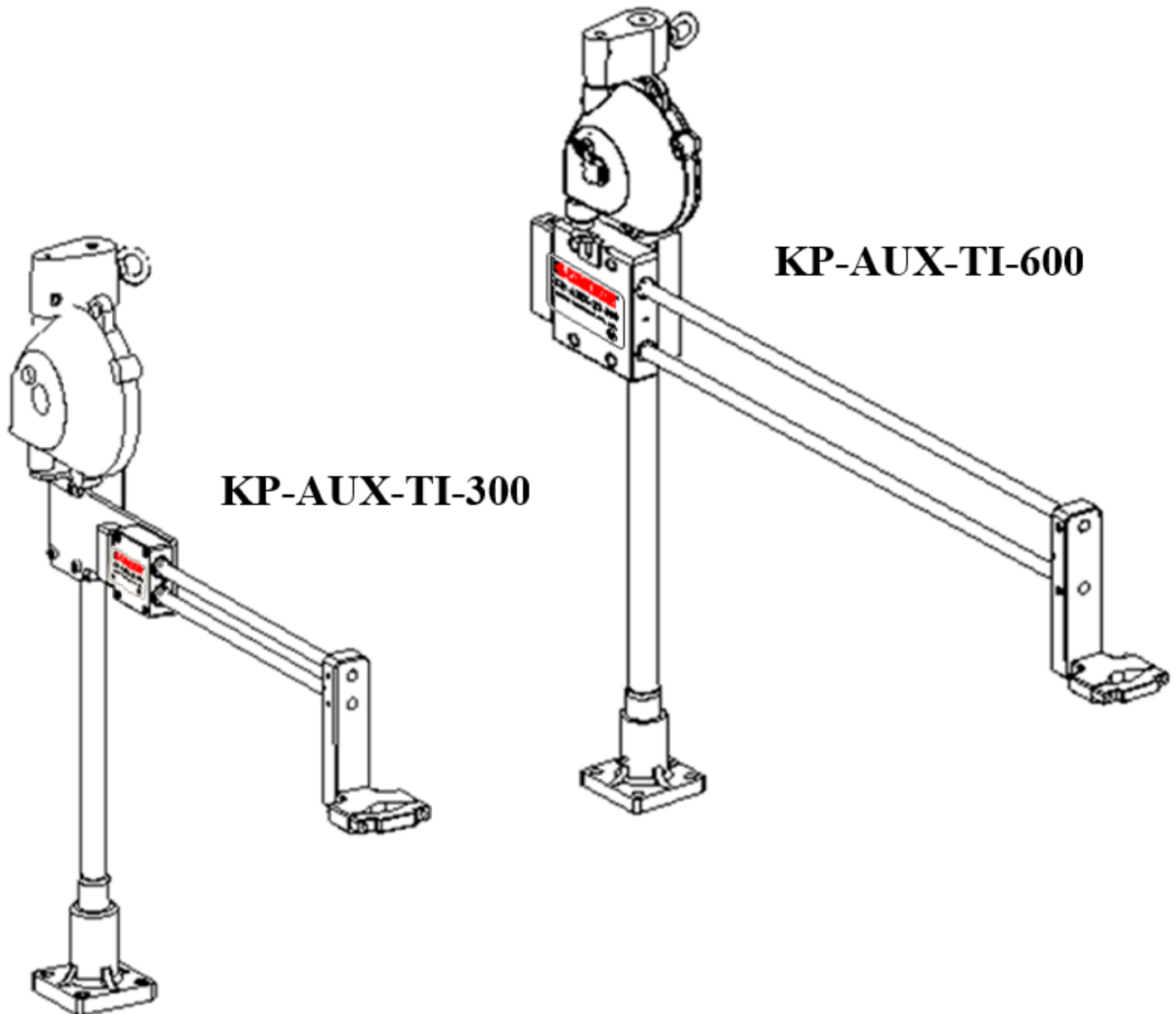


Auxiliary Arm Manual

Extended reach



KILEWS INDUSTRIAL CO., LTD.

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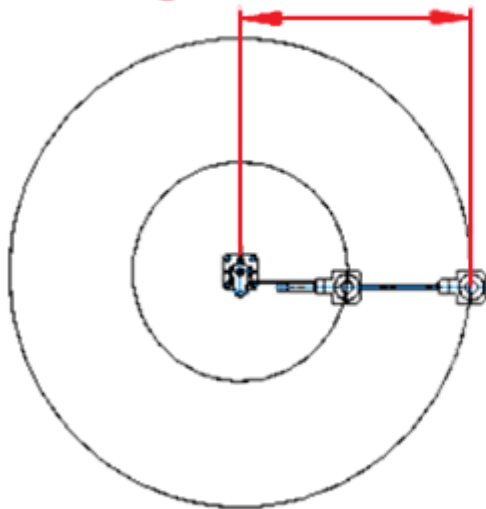
I. Introduction

In order to prevent injuries, an auxiliary torque arm has been added to reduce torsion and weight of the screwdriver. Each auxiliary arm corresponds to ergonomics for additional safety measures.

II. Feature

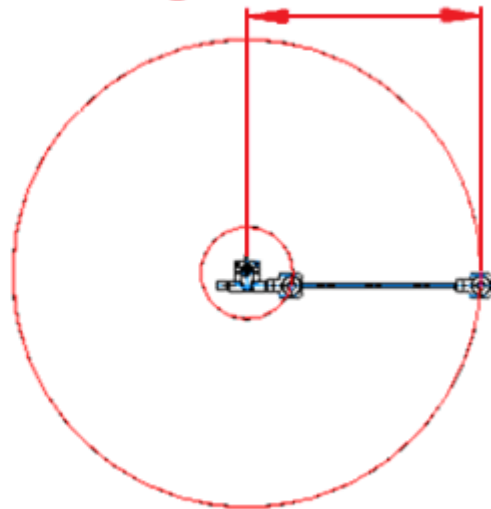
A 360° rotation plus horizontal extension ability allows the screwdriver to reach different devices at ease. In addition, the adjustable spring balancer can stop screwdriver from lifting up and down at anywhere that is not only helping to increase work efficiency but also productivity. [Figure 1]

Working area R260~560



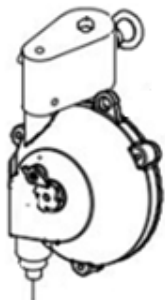
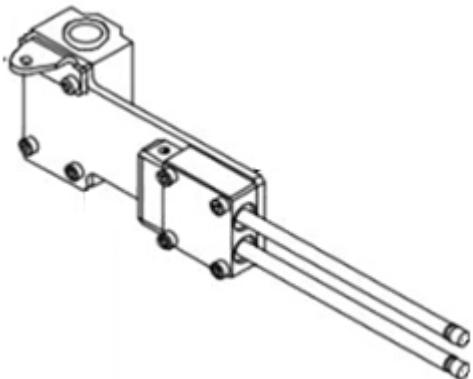
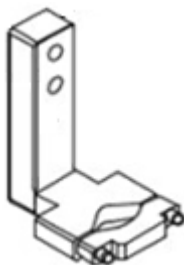
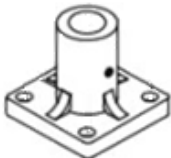
KP-AUX-TI-300

Working area R140~740



KP-AUX-TI-600

III. Item lists

Item no.	Objects	Qty.	Diagram
KL-T5000B	Spring balancer set I. KL-T5000(AUX-TI300)	1	
KL-T7000B	Spring balancer set II. KL-T7000(AUX-TI600)		
KP20032I	Main pole set I. KP-AUX-TI300	1	
KP20032I-1	Main pole set II. KP-AUX-TI600	1	
KP20033I	Linear bearing set I. KP-AUX-TI300	1	
KP20033I-1	Linear bearing set II. KP-AUX-TI600		
KP20031	Screwdriver Fixture I. KP-AUX-TI300	1	
KP20031-1	Screwdriver Fixture II. KP-AUX-TI600		
KP20007-7	Base plate	1	
PP0122	Accessory kits (Allen key 6mm & screws)	1	

IV. Precautions

For use of this product properly, avoid jeopardizing personal and property safety of the lives of others, to prevent the occurrence of danger and be sure to read the instructions carefully

<Please be sure to follow instruction>

1. Sign definitions



【PROHIBITION】 Attempting to perform without notice may cause body injury or damage to the auxiliary arm.



【WARNING】 Attempting to perform without notice may cause body injury or damage to your objects.

2. Safety notification

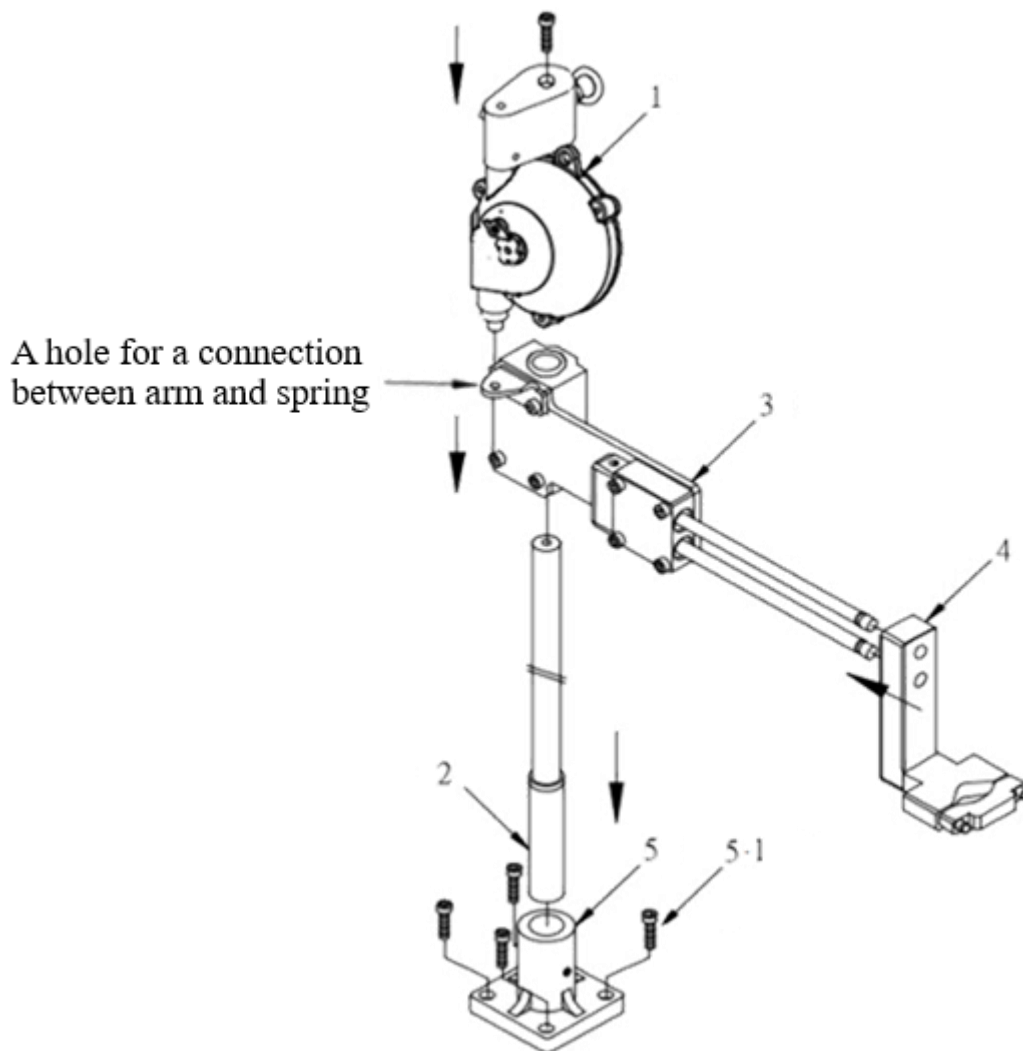
	Follow instructions in this manual and operate machine correctly.
	Do not spread unknown contaminants to the machine such as oil or water.
	Modification and disassembly are not allowed.
	Keep hand in the safty area while machine is operating.
	Measure tool's weight and adjust balancer to a proper position.
	Please maintain and clean the machine regularly.

V. Description

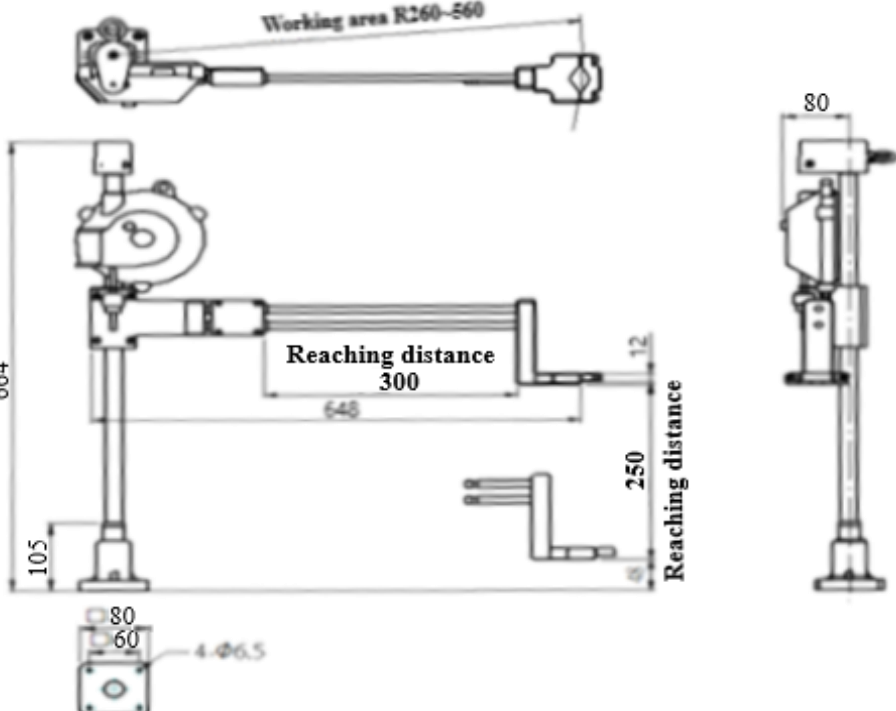
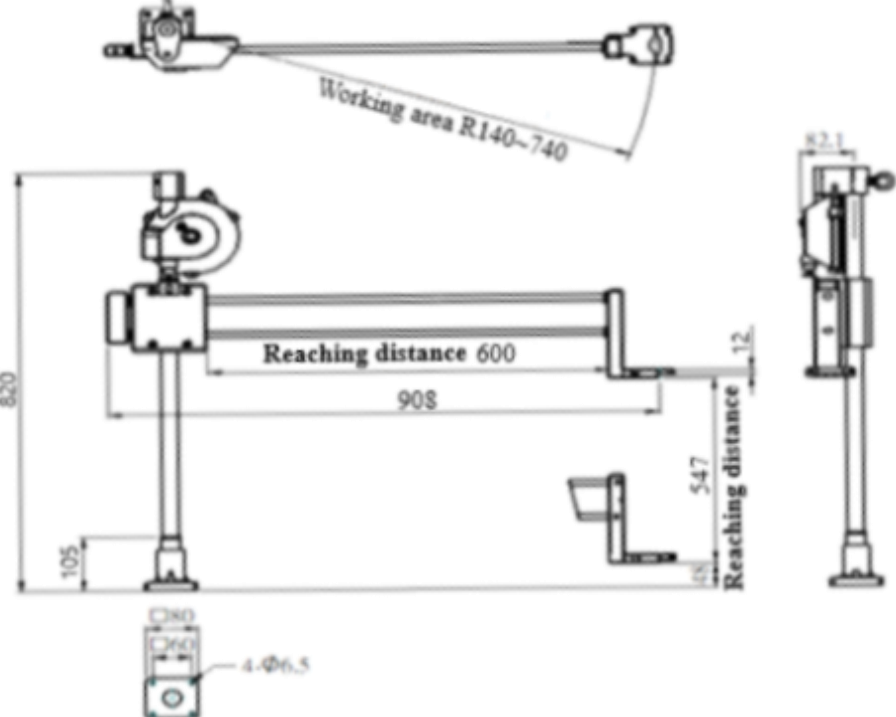
1. Assembly - Arm

Unpack and take out all the components

- (a.) Using 4 M4*25L hex screws to tight machine base (5) on your working station.
- (b.) Place a pole (2) way down to the bottom of base and tight screws slightly. (Note: Be proper tightening screws for better rotation controlling.)
- (c.) Slid sliding bars of the linear bearing part (3) way down to the screwdriver's fixture (4) and then tight screws on each side of the fixture.
- (d.) Put the linear bearing set (3) onto the main pole from top carefully.
- (e.) Put the spring balancer on the top of main pole and then tight a M6*20L hex screw on top.
- (f.) Connect the spring balancer (1) and linear bearing set (3) together.
- (g.) Be sure to measure tool's weight and adjust balancer to a proper position. See page 8 to find spring setting.



2. Dimension

Model: KP-AUX-TI-300	
Model: KP-AUX-TI-600	

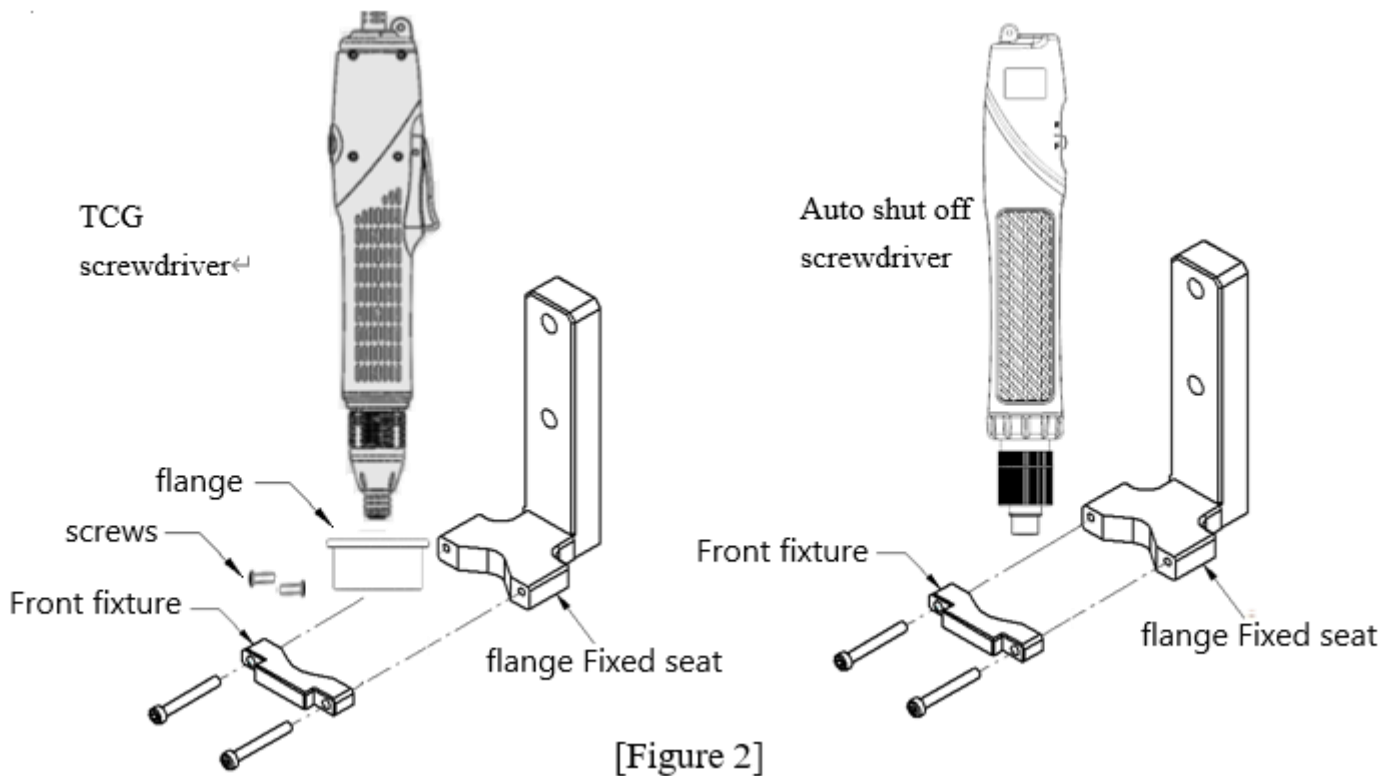
3. Condition of use

Model	Weight kg	Place of use	Operating Temperature	Operating Humidity	Screwdriver's weight kg	Max. Torque Kgf-cm	Operating area mm
TI-300	Approx. 7.3	Indoor	-5°C~ 60°C (NO freezing)	20%~ 90% (NO condensation)	0.8~2.8kg	200	300
TI-600	Approx. 9.9				0.4~2.4kg	150	600

VI. Tool installation guide

1. Fitting tool

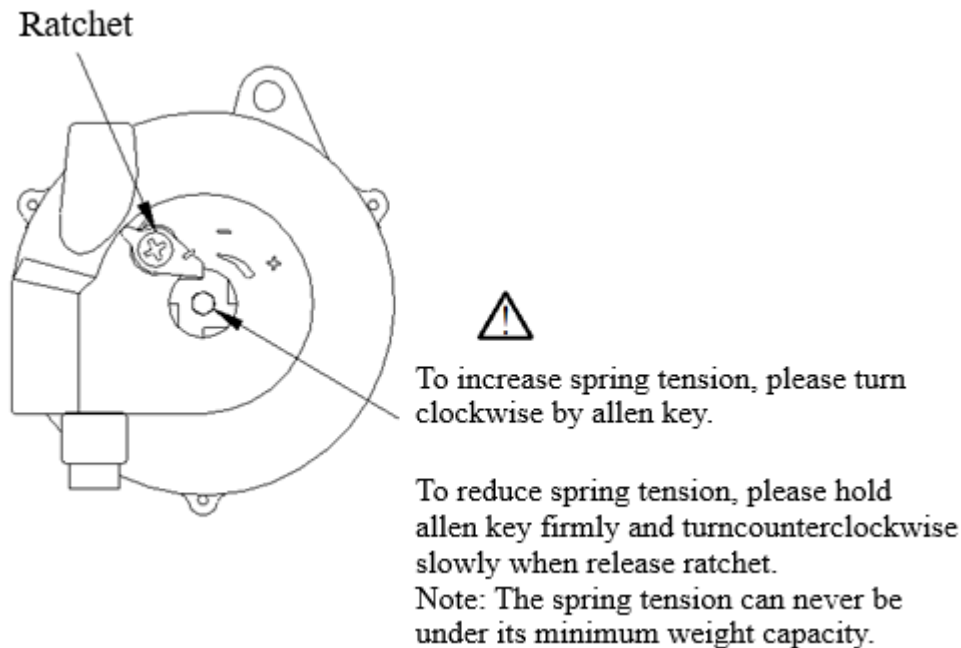
- (1) Before clamp a tool, make sure auxiliary arm is seated at the lowest position, and spring has released its tension.
- (2) Follow the instructions to clamp a screwdriver and tight with M6*50 screws. The available dimension of fixture for screwdriver is from $\phi 25\text{mm}$ to $\phi 46\text{mm}$.
- (3) In order to prevent unexpected force from spring and cause any injury, make sure to follow instructions from the item 1 when replace or release the screwdriver.



Caution

- 1.1 Put flange on TCG screwdriver before clamped to avoid damage from fixture.
- 1.2 Make sure to adjust flange slightly right after tightening up and shift holes of flange away from screwdriver's thread carefully to avoid screws harming thread.
- 1.3 Make sure the TCG screwdriver is seated vertical to fixture before tightening up.
- 1.4 The replacement procedure of the auto shut off screwdriver is the same as TCG type but no need flange.

2. Spring adjustment



VII. Maintenance

For better condition and extending life cycle of this machine, please clean and maintain regularly.

1. **Daily** Lubricate the machine with the industrial oil like WD-40 daily as a frequent user.
2. **Weekly** Add proper greases into the linear bearing part weekly. [Figure 2]

You may shorten maintenance time period, if the machine has been used under a bad weather condition or a higher frequent use.

