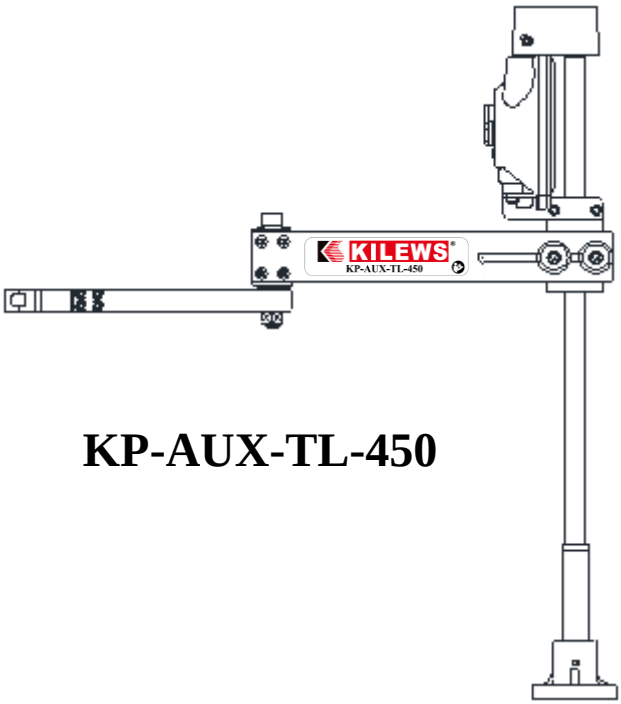
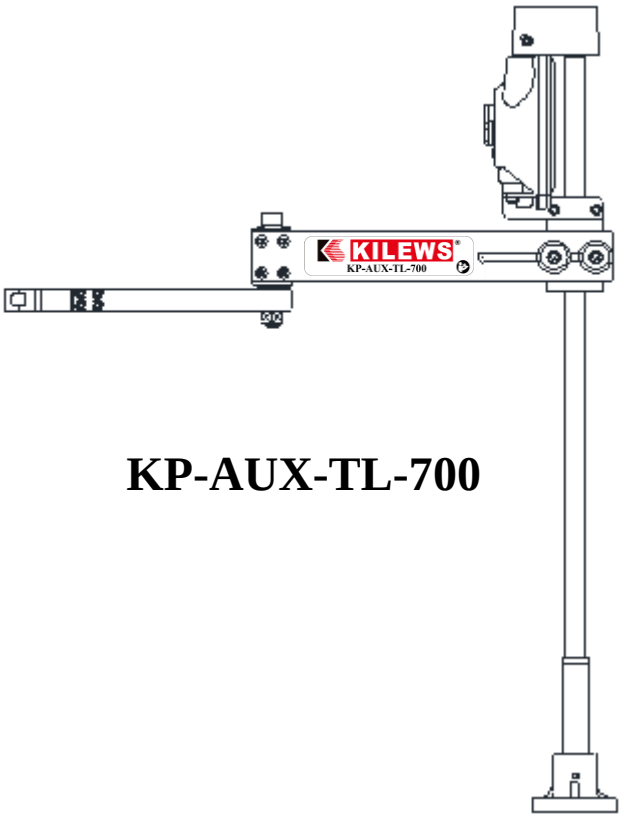
Auxiliary Arm Manual

Axial rotation



KP-AUX-TL-450



KP-AUX-TL-700

KILEWS INDUSTRIAL CO., LTD.

http://www.kilews.com

Y2F220B-002

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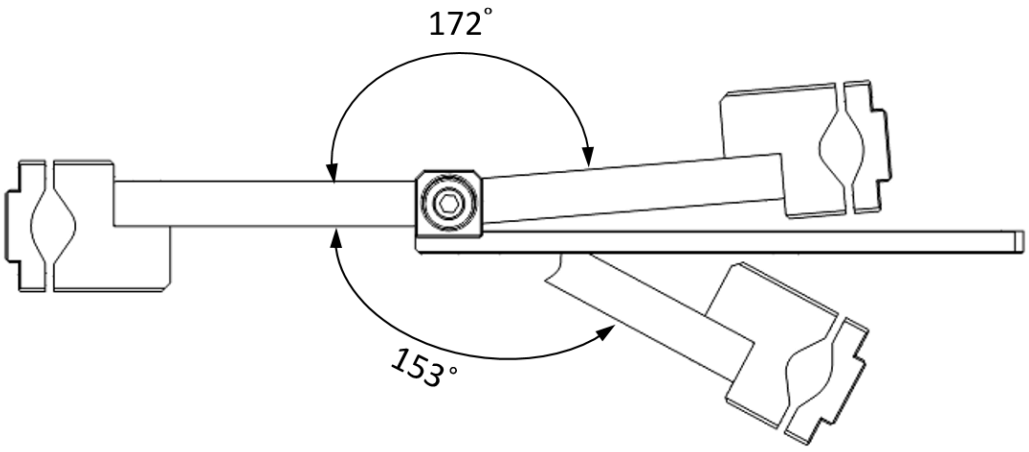
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I. Introduction

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.

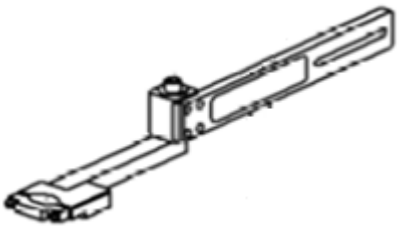
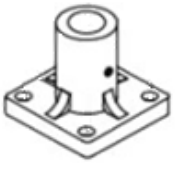
II. Feature

A total 360° rotation of main pole plus 325° swing ability on axial arm 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]



【Figure 1】

III. Items

Item no.	Objects	Qty.	Diagram
KL-T5000B	Spring balancer set I. KL-T5000(AUX-TL450)	1	
KL-T7000B	Spring balancer set II. KL-T7000(AUX-TL700)		
KP20032L	Main pole set I. (Linear bearing set included) KP-AUX-TL450	1	
KP20032L-1	Main pole set II. (Linear bearing set included) KP-AUX-TL700		
KP20033L	Axial arm set I. (Fixture included) KP-AUX-TL450	1	
KP20033L-1	Axial arm set II. (Fixture included) KP-AUX-TL700		
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 box and take all components out and then assembly by following steps carefully.

(a.) Using 4 M6*25L hex screws to tight machine base (5) on your workstation.

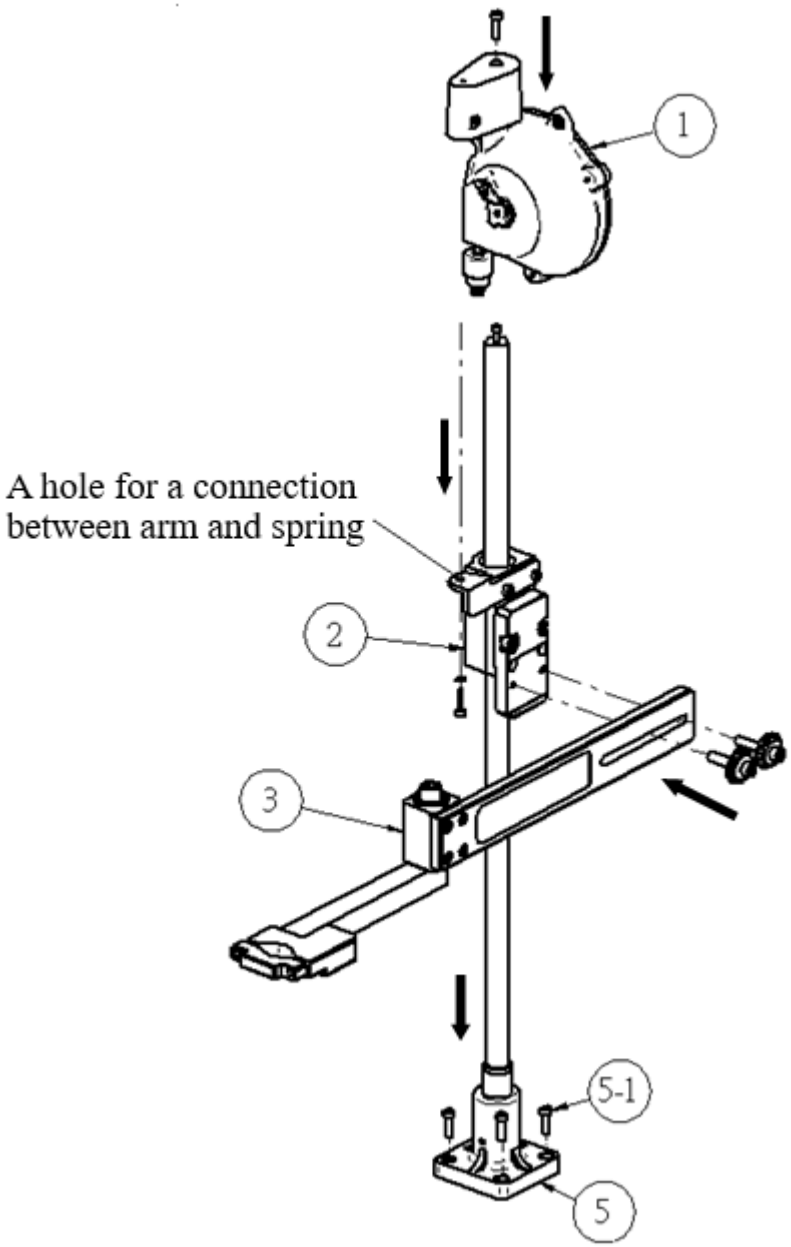
(b.) Place a main pole set (2) way down to the bottom of base and tight screws slightly. (Note: Be proper tightening screws for better rotation controlling.) Turn linear bearing set to aim a thread hole at above then add a M6*20L screw to tight up. (a screw size of M8*20L is for KL-T7000B)

(c.) Put an axial arm set (3) (label faces outside) onto the concave area of linear bearing part and then tight two M8*35L hex screws along with washers. (a screw size of M10*40L is for KL-T7000B)

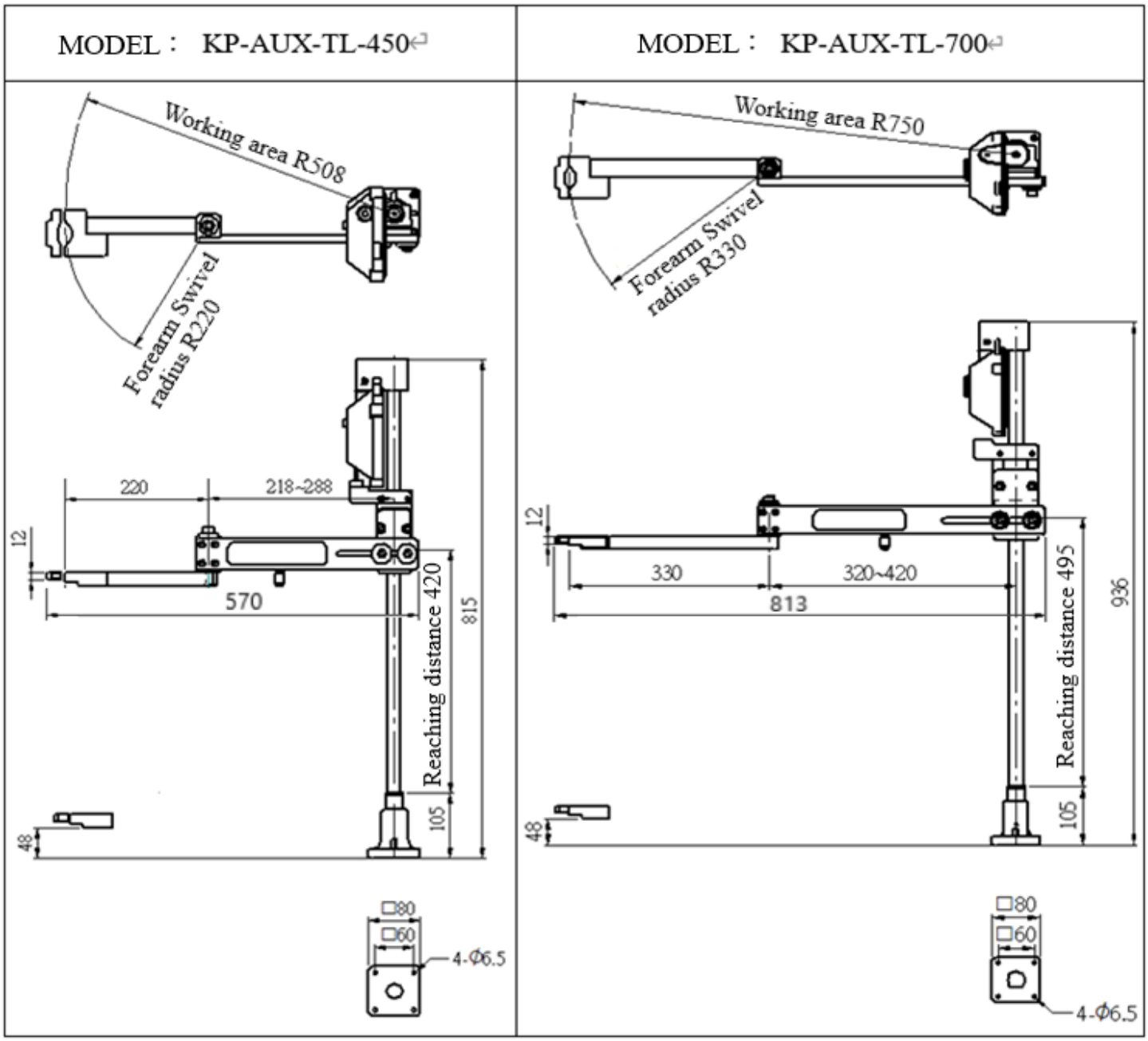
(d.) Put the spring balancer on the top of main pole and then tight a M6*20L hex screw on top.

(e.) Connect the spring balancer (1) and linear bearing set (2) together.

(f.) Be sure to measure tool's weight and adjust balancer to a proper position. See page 8 to find spring setting.



2. Dimension



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-450	Approx. 6.9	Indoor	－5℃~ 60℃ (NO freezing)	20%~ 90% (NO condensation)	~ kg	150	475
TI-700	Approx. 9.5				~ kg	250	700

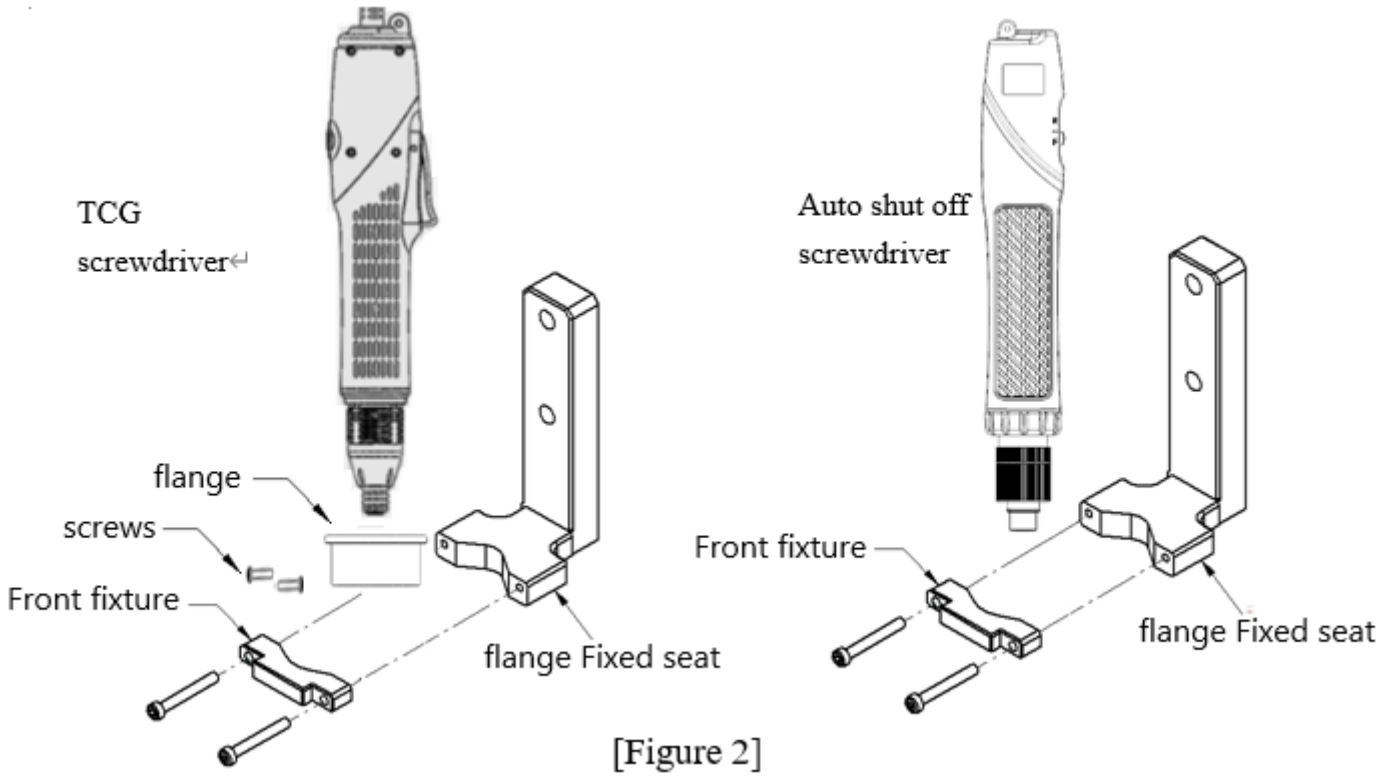
VI. Tool installation guide

1. Fitting tool

(1) Before clamp a tool, make sure auxiliary arm is seated at the lowest position, and spring has released it tension.

(2) Follow the instructions to clamp a screwdriver and tight with M6*50 screws. The available dimension of fixture for screwdriver is from φ25mm to φ46mm.

(3) In order to prevent unexpected force from spring and cause any injury, make sure to flow instructions from the item 1 when replace or release the screwdriver.



[Figure 2]

Caution

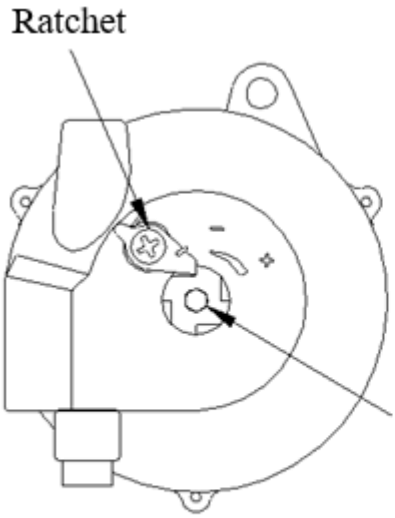
1.1 Put flange on TCG screwdriver before clamped to avoid damage form fixture.

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**



⚠

To increase spring tension, please turn clockwise by allen key.

To reduce spring tension, please hold allen key firmly and turncounterclockwise slowly when release ratchet.
Note: The spring tension can never be under its minimum weight capacity.

VII. Maintenance

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

1. **Daly** 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]

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

