

AT84T06

GAUGE FOR CAMBER, CASTER & KING PIN

1. USE

Using in conjunction with TURNTABLE, you can easily and rapidly measure correct angles of CAMBER, CASTER and KING PIN and a rotation angle of STEERING WHEEL.

Moreover, when the angle of CAMBER and CASTER has been changed simultaneously, you can get the best suited WHEEL ALIGNMENT angle adjusted by the manufacturer because you can read the change of each angle at the same time.

2. SPECIFICATIONS

Item No: AT84T06

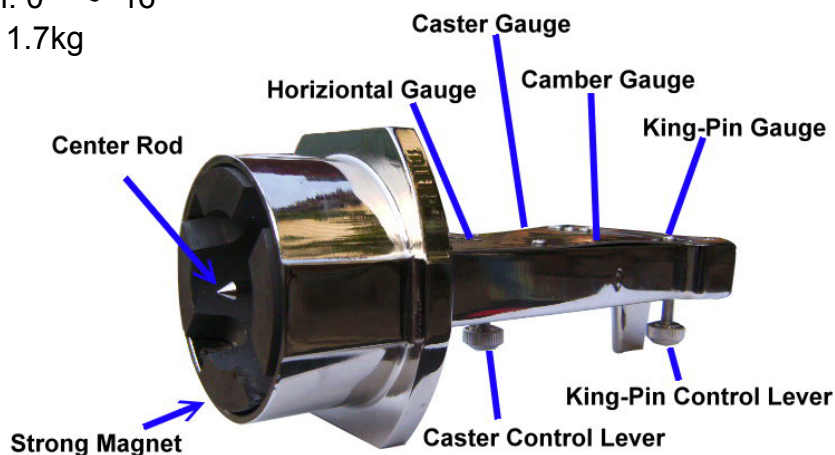
Dimension: 230mm in length X 90mm in width

Camber: $-5^{\circ} \sim +5^{\circ}$

Caster: $-3^{\circ} \sim 0 \sim 10^{\circ}$

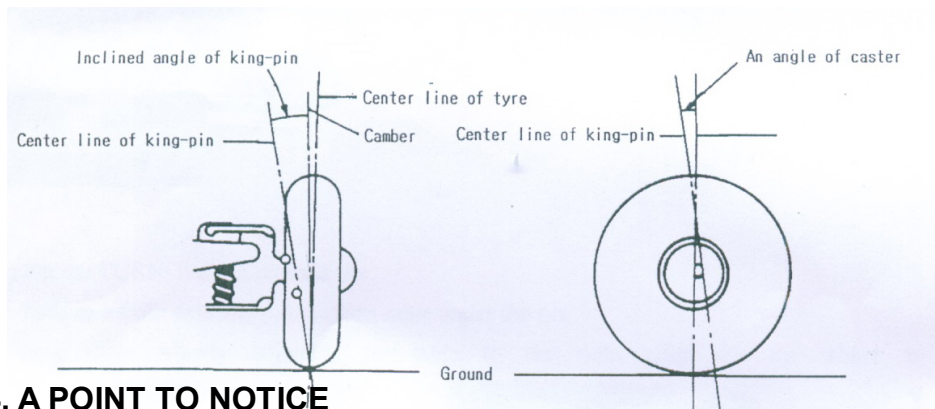
King Pin: $0^{\circ} \sim 16^{\circ}$

Weight: 1.7kg



3. FEATURE

Very convenient to use because with a permanent magnet attached to this product you can easily attach it to SPINDLE of a wheel and measure all of angles mentioned above.



4. A POINT TO NOTICE

- Not treated roughly because the tubes of a bubble are worked of lapping elaborately.
- When not used, be kept in a case as the plate-shaped iron ring is attached to the magnetic surface of this unit for magnetic force not to get weak,

- Be treated carefully because the tube of a bubble is made of glass.

5. HOW TO USE

◆ Measuring of CAMBER

1) Preliminary arrangements

- Make the air pressure of four tires to be a regular condition.
- Leave the car empty.
- Make the spring to be in stabilized.
- Prepare turntable to be moved under center of a tire.

► If independent suspension system attached to a car, push the body and fender up and down.

2) Put the Turntable under a tire.

- Jack up a front axle and put the turntable under the tire.
- Jack down slowly adjusting turntable to the right point for the wheel to be placed.

3) Attach the GAUGE to SPINDLE of the wheel

- Release the HUB CAP of the wheel

※ NOTICE !

Not to wear a watch to prevent it from being out of order by magnetic force.

- Set the front part of CENTER ROD to the center of the SPINDLE.

5) Read the angle of the CAMBER

- Read the scale in the center of the bubble.

6) Repeat.

- Take the same methods to measure in case of right wheel.

▲ Do not used on the aluminum wheels.

◆ Measuring of CASTER and KING PIN

1) Preliminary arrangements.

- Do it the same way taken in case of CAMBER.
- Please work after finished the measuring of camber.

2) Turn the wheel to an angle of 20°

- The center of a car is a standard against which, turn the steering wheel outside to the indicated line of 20° of Turntable carefully.

► When turning the wheel outside, do not to forget to step on Foot Brake.

► Make it regular load designated by a automobile manufacturer.

① When a driver to get on.

② When a driver to get out of.

(This case considered, Brake Pusher is arranged)

3) Set the center of the bubble at "0"

Set the center of bubble at "0" turning the ADJUST SCREW.

(☞ ADJUST SCREW: caster control lever & king pin control lever)

► When setting the KING PIN at ZERO, the left side wheel is to be set at the left side scale and the right side wheel is to be set at the right side scale.

4) Turn the wheel to an angle of 40°

- The center of a car is standard against which, now turn the steering wheel inside to the indicated line of 20° of the Turntable carefully.

► When turning the wheel inside, not to forget to step to on the Foot Brake.

5) Read the angles of the CASTER & KING PIN.

- Read the scale placed in the center of the bubble.

6) Repeat it.

- The order of measuring right side wheel is same with the left side wheel.