

Instruction Manual

Hydro Check(KHC)

※ Details could be changed without prior notice subject to the performance upgrade.

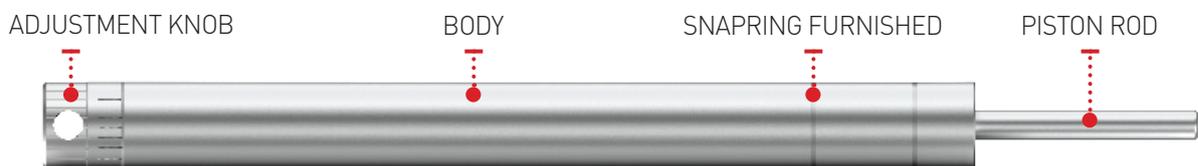
1. KHC Series Hydro Check's structure & operating theory

Accurate movement speed control and position control are possible, and the speed of any moving equipment can be finely adjusted, and various types are prepared for each stroke.

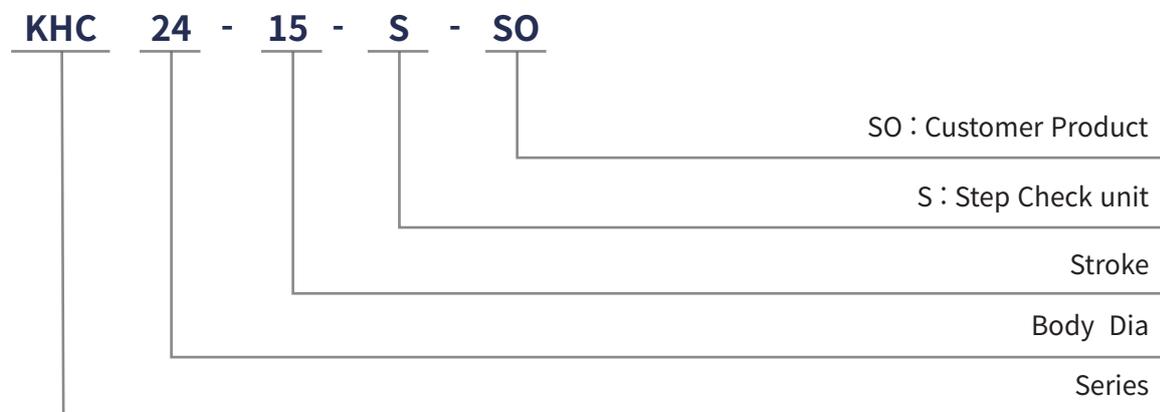
Hydro Check is easy to be installed and adjusted, and it is possible to obtain precise feed by specific-tuning of Adjustment Knob within the 300° range, thereby extending the life of the tool.

The piston rod uses corrosion-resistant materials, and the body is plated to prevent damage due to the working environment. Accessory can be easily installed by using Snap Ring and Mounting Block. It is convenient to fix.

The oil inside the Hydro Check is self-filtering and the speed is always controlled constantly, so it is convenient to work under any conditions.



2. KHC Series Ordering Information



3. Step Check Unit Series

The Step Check Unit has the same speed control function as the Hydro Check, but the difference is that it has an intermediate stop function at the desired position. It is used for long drilling work, work that requires precision, and work that requires chip discharge in the middle of the work process.



6. Operation instruction

KOBA's Hydro Check is designed to operate more than a million cycles, and a longer life can be guaranteed if you consider the following.

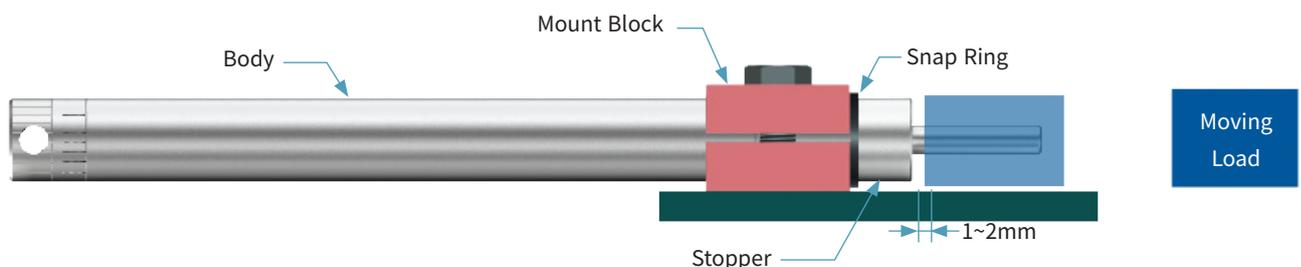
- 1) Check if the capacity is properly selected.
- 2) Do not tighten or process the Hydro Check Body with bolts.
(If necessary, contact the head office)
- 3) Do not scratch or paint the piston rod. (Life is shortened due to leakage of Hydro Check.)
- 4) Do not leave the product on fire or throw it away.
- 5) Pay attention to eccentric load and eccentric angle.
Make sure it hits the centerline of the piston rod (within $\theta = 1^\circ$).



- 6) within the specified operating temperature range. (-10°C~80°C)
For special temperature ranges, please contact us.
- 7) Do not use in a place where pressure is generated outside the Hydro Check under vacuum.
- 8) When attaching the Hydro Check, refer to the diagram in the catalog for the mounting angle. If the attachment position is out of the way, uneven wear may occur, which may shorten the life of the Hydro Check and damage the device.
- 9) Do not throw away the oil inside the Hydro Check. As it can cause environmental pollution, please dispose of it according to the Recycling waste Management rules.

7. Installation

- 1) Mount Block is suitable when high driving force is applied, and it is easy to use because the mounting position can be set at the desired location.
- 2) By using Snap Ring, we can prevent problem like pushed back.



※ If you have any other questions, please contact KOBA Headquarters.



This product is manufactured through strict quality control.
The product warranty period is 12 months from the date of purchase.

1. Free Service

In case the trouble comes within the warranty period, please contact our distributor or head quarter for free maintenance service or replacement.

2. Service on cost

Following cases are out of free service and it requires to pay for the service cost.

- 1) Mishandling on operation
- 2) Passing warranty period
- 3) When abnormal operation occurs or the product cannot be used again by applying it on abnormal conditions
- 4) Failure or damage due to user negligence (arbitrarily disassembled, assembled, or modified)
- 5) Failure and damage due to natural disasters
- 6) In case of damage caused by mistake during transportation
- 7) Failure or damage due to external shock, damage, or leakage



6F KOBAB TOWER, 869, Buil-ro, Guro-gu, Seoul, Korea
TEL : +82-2-3397-7800 / FAX : +82-2-2611-5970 / E-Mail : koba@koba.co.kr