TECHNO REPORT NEW PRODUCT

CKD

Paralleled by single tracing

Retention mechanism, to complete the centering and aligning by CKD own spherical hydrostatic bearing with non-rotation mechanism in a few seconds.
Automatic and high-precision parallel adjustment available.

High precision spherical tracing hydrostatic bearing

Air gyro LBC-R Series

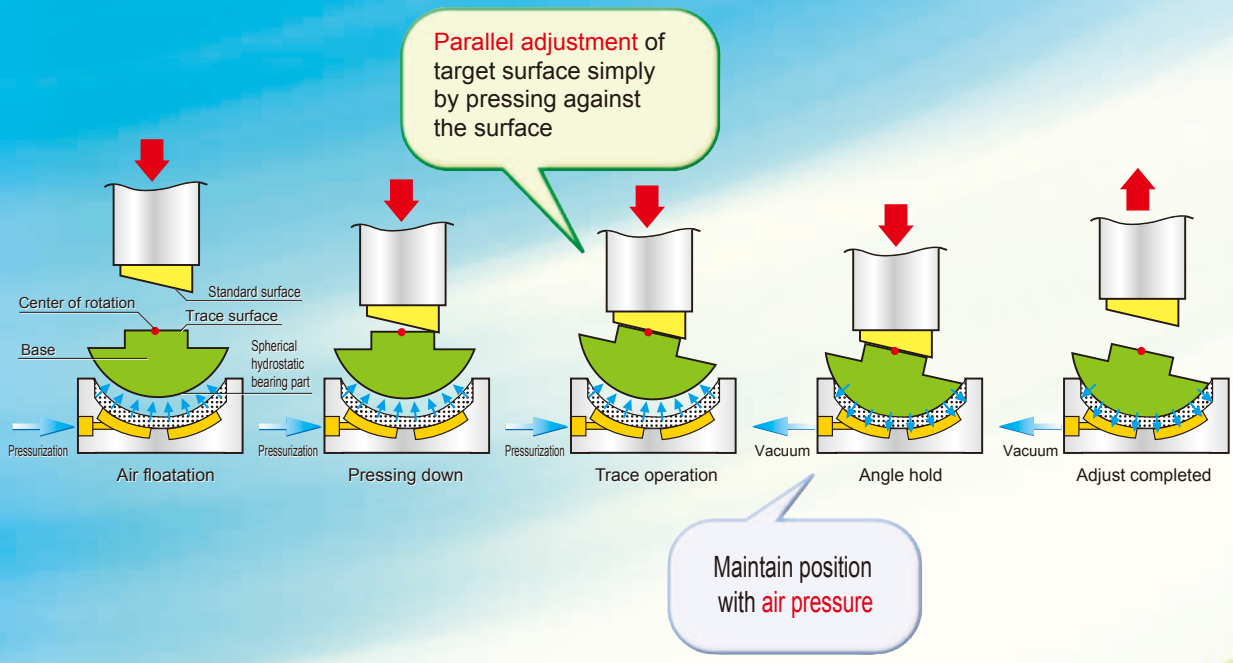
CKD Corporation
http://www.ckd.co.jp/

CC-895A

• This product is custom order. Please contact our sales office.

Let it "trace"

The air gyro that enables parallel adjustment.
Contributes to reduce man-hours with high precision aligning, automatic adjustment.



High precision spherical tracing hydrostatic bearing

LBC-R Series

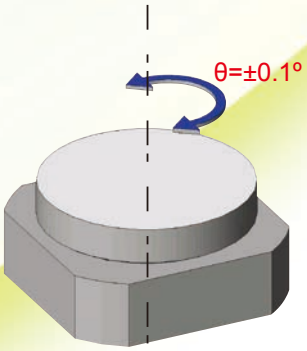
Air gyro

Parallel adjustment with "trace" function at once

The surfaces pressed against each other, and tracing can be completed in a few seconds.
Automation is also possible.
(In our test conditions)

Strong fixing at "trace" position

Strong fixing in any position available.
The process of load being applied is also applicable.



High precision "trace", not dependent on craftsmanship

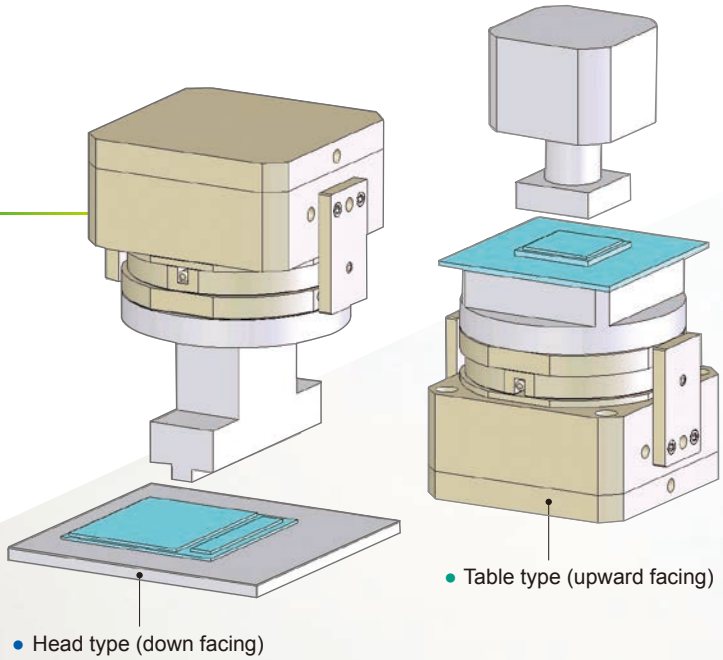
"Trace" means a spherical hydrostatic bearing system in which the spherical base is floated using air pressure. There is no friction or wear, and high-precision parallel adjustment (parallelism of 2μm) supported.

High-precision non-rotation mechanism included

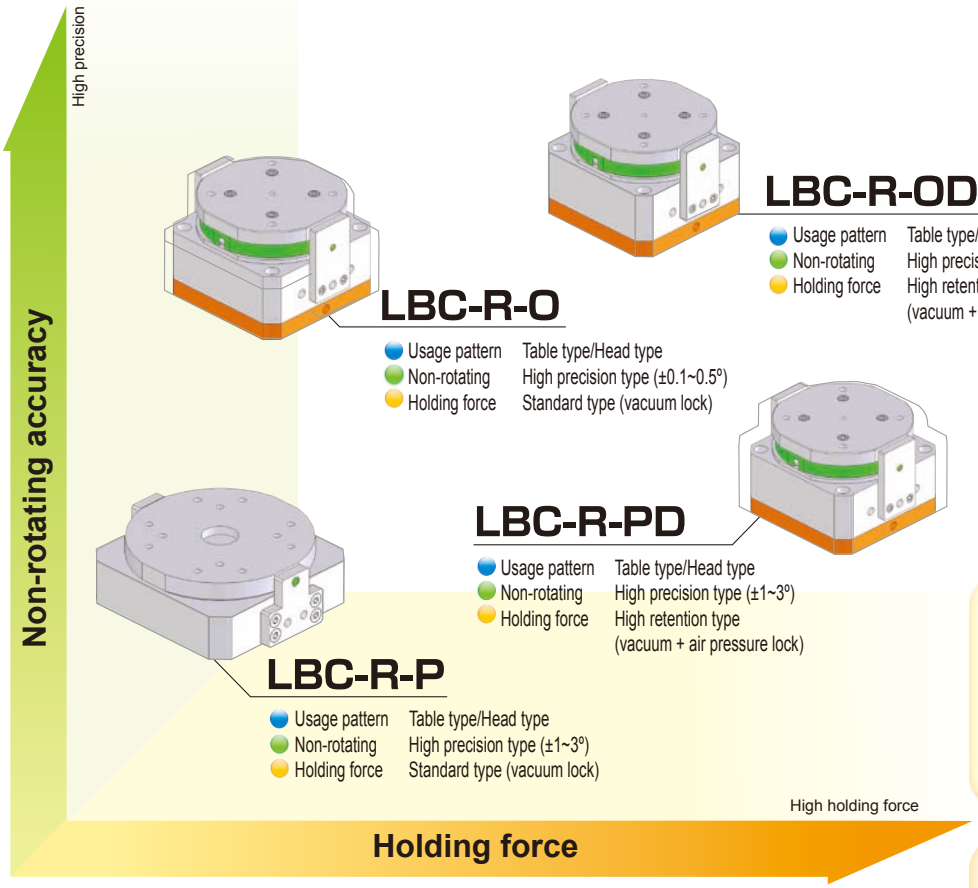
Unique high-precision non-rotation mechanism (PAT) is integrated.
θ=±0.1° non-rotation angle is achieved for the axis.
High-precision positioning is available in a variety of mountings.

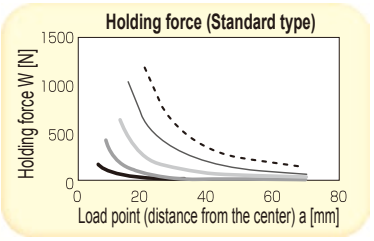
Two mounting methods available

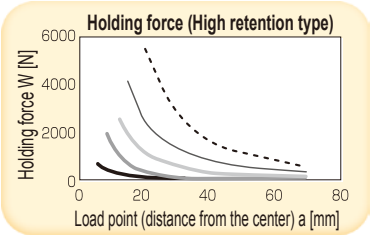
Mounting methods available in head type (downward) and table type (upward).
A wide range applications such as parallel adjustment of small precision mounting heads available.



Product variation







* Retention: maximum load that can maintain lock status

SR40 SR60 SR80 SR100 SR120

Size variation (Example)

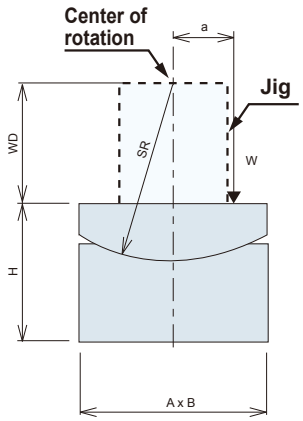
Type	SR*1 [mm]	A [mm]	B [mm]	WD*2 [mm]	H*3 [mm]	WD+H*3 [mm]
LBC-R * -P (Non-rotation standard retention standard type)	40	45	55	25	30	55
	60	60	70	45	30	75
	80	80	92	60	35	95
	100	100	112	77	38	115
	120	117	129	95	45	140

***1 SR: 40~120 (10 pitch), 140 are available.**

***2 WD: Non-rotation high precision type (LBC-R - * - 0 *) is 5 to 10 mm smaller.**

***3 H: High retention type (LBC-R * - * D) is 10 to 18 mm larger.**

*** Smaller and larger versions also available on consultation.**



This product can be customized according to the customer's specifications.
Please let us know your needs. We provide the "use confirmation sheet" separately.

If the goods and their replicas, or the technology and software in this catalog are to be exported, laws require the exporter to make sure they will never be used for the development or the manufacture of weapons for mass destruction.

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