

Technical data

LCM

LCR

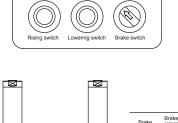
LCX STM

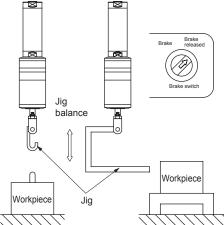
Technical data

BBS-A Series (auto pressure adjustment) operating method

Operate acording to the following procedure.

- Check that the brake switch is in the braking position (brake is ON).
- 2) Supply air.
- 3) Operate the brake switch to release the brake. (Jig balanced state)
- 4) The rising and lowering switches can be operated manually.

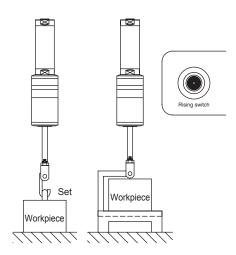




- 5) Set the workpiece into the jig.
- 6) Hold down the rising switch to lift the workpiece, releasing when the workpiece has risen about 50 mm.

The workpiece will balance about 1 second later.

(Note) The weight is detected about 1 second after releasing the switch. Please note that in the interim, any force applied to the workpiece or jig will be detected, causing improper balancing to occur.

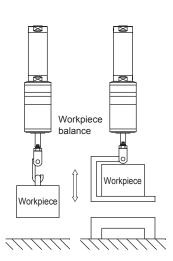


- 7) The rising and lowering switches can be operated manually. However, continuous operation (inching operation) with switch cannot be performed.
- 8) Set the workpiece in the required position and press the lowering switch for 1 second to balance the jig.

Return to 4) and then move to the following operation.

If the main air source is cut off due to trouble of some kind, position locking will be activated by the built-in brakes.

For safety reasons, return the brake switch to the braking position after completing operation.



Ending

Technical data

LCM

LCR

LCG LCX STM

STG

STR2

UCA2

ULK* JSK/M2

JSG

JSC3/JSC4

USSD

UFCD

USC

LMB

HCM HCA LBC

CAC4 UCAC2 CAC-N

UCAC-N RCS2 RCC2

PCC SHC MCP GLC MFC BBS

RV3' NHS HRL

LN Hand Chuk

MecHnd/Chuk ShkAbs FJ FK SpdContr

Ending

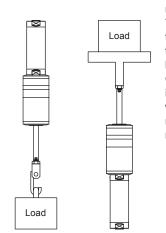
I MI

UB

Using the balancer unit more effectively

Standard usage

Model No.: D

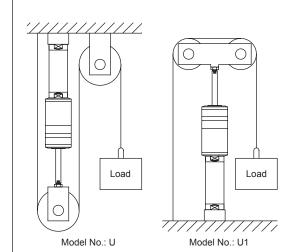


This is the simplest method of use.

The overall height of the unit increases if the cylinder stroke is long.

Operating force may increase slightly if the workpiece is moved rapidly due to flow resistance.

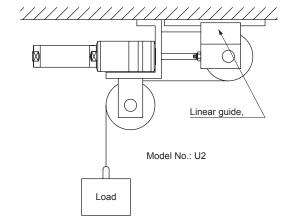
Speed multiplied usage

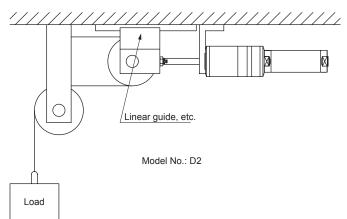


The overall height of the unit decreases as the cylinder stroke is halved compared to standard usage. (At 2 times speed) In theory the operating force is half that of the standard usage type, but the allowable maximum load is also halved.

Horizontal speed multiplied usage

Model No.: U1

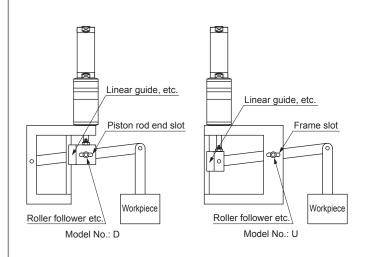




The basic specifications are the same as speed multiplied usage, but the overall height of the unit decreases due to the cylinder being horizontal.

(At 2 times speed) In theory the operating force is half that of the standard usage type, but the allowable maximum load is also halved. Use a linear guide and take care to ensure that self-weight moment of the piston rod or cylinder is not applied.

Lever usage



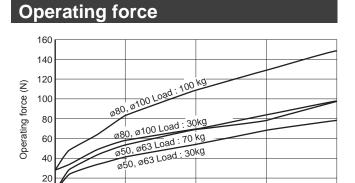
Enables greater freedom of design as the speed multiplier can be freely selected using the lever ratio.

Theoretically, the operating force is divided by the lever ratio. However, the allowable maximum load is also divided by the lever ratio.

Take care to ensure the lever ratio does not change due to vertical operation by using roller followers, etc., and use a linear guide to ensure that eccentric load is not applied to the piston rod.

BBS Series

Technical data



100

Operating speed (mm/s)

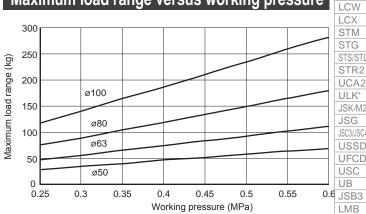
150

0

50

200

Maximum load range versus working pressure



ULK* JSK/M2 JSG JSC3/JSC4 USSD UFCD USC UB 0.6 JSB3 LMB LML HCM HCA LBC CAC4 UCAC2 CAC-N UCAC-N RCS2 RCC2 PCC SHC MCP GLC MFC BBS RRC GRC RV3 NHS HRL LN

Hand
Chuk
MecHnd/Chuk
ShkAbs
FJ
FK
SpdContr

LCM LCR

LCG