



## JW series screw jack overview:

### JWM (Trapezoid screw)

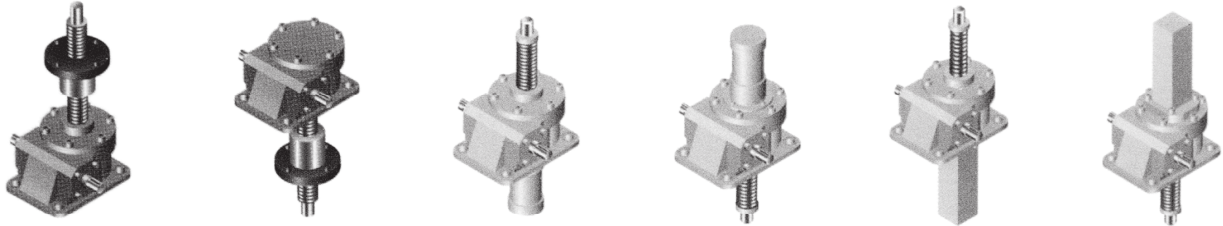
#### **LOW SPEED    LOW FREQUENCY**

JWM (trapezoidal screw) is suitable for low speed and low frequency.

Main components: Precision trapezoid screw pair and high precision worm-gears pair.

- 1) Economical:  
Compact design, easy operation, convenient maintenance.
- 2) Low speed, low frequency:  
Be suitable for heavy load, low speed, low service frequency.
- 3) Self-lock  
Trapezoid screw has self-lock function, it can hold up load without braking device when screw stops traveling.

Braking device equipped for self-lock will be of malfunction accidentally when large jolt & impact load occur.



JW

### JWB (General ball screw)

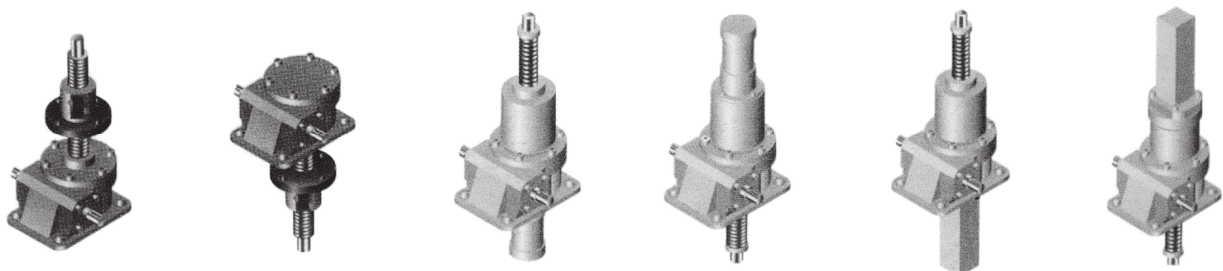
#### **HIGH SPEED    HIGH FREQUENCY**

JWB (General ball screw) is suitable for high speed, high frequency and excellent performance.

Main components: Precision ball screw pair and high precision worm-gears pair.

- 1) High efficiency  
Rolling friction improve efficiency greatly, only a little drive power can generate great thrust force.
- 2) High speed  
Rolling friction speed up travel of screw easily.
- 3) Lifetime longer  
High precision ball screw can make JWB's lifetime longer by 3 times comparing with JWM.

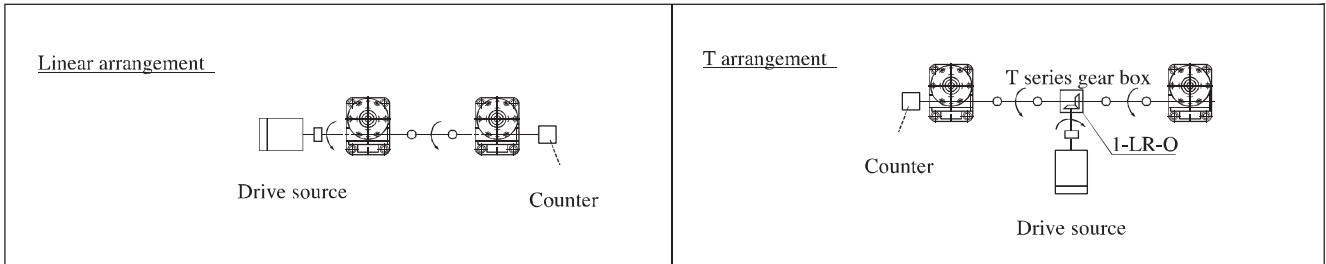
Note: Braking devices or motor with braking devices are necessary when choosing JWB.



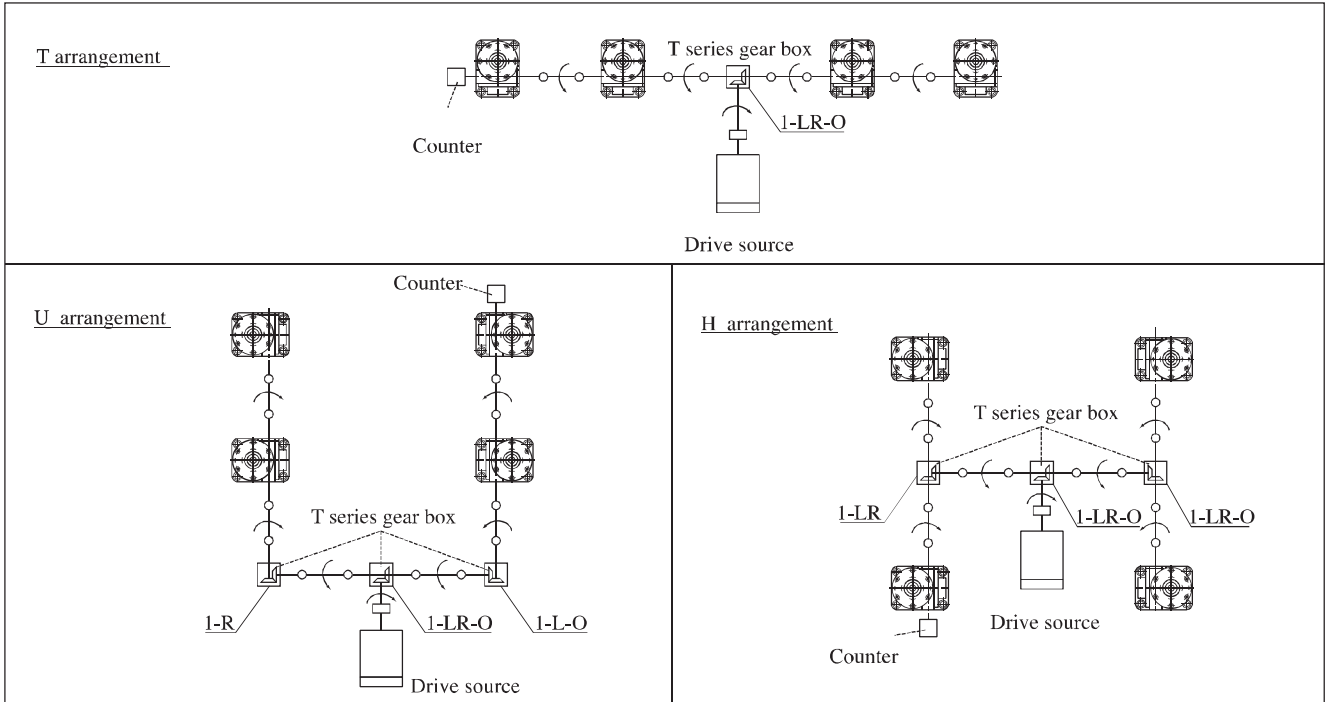


Application example:

Two gear boxes linking:



Four gear boxes linking:



Eight gear boxes linking:

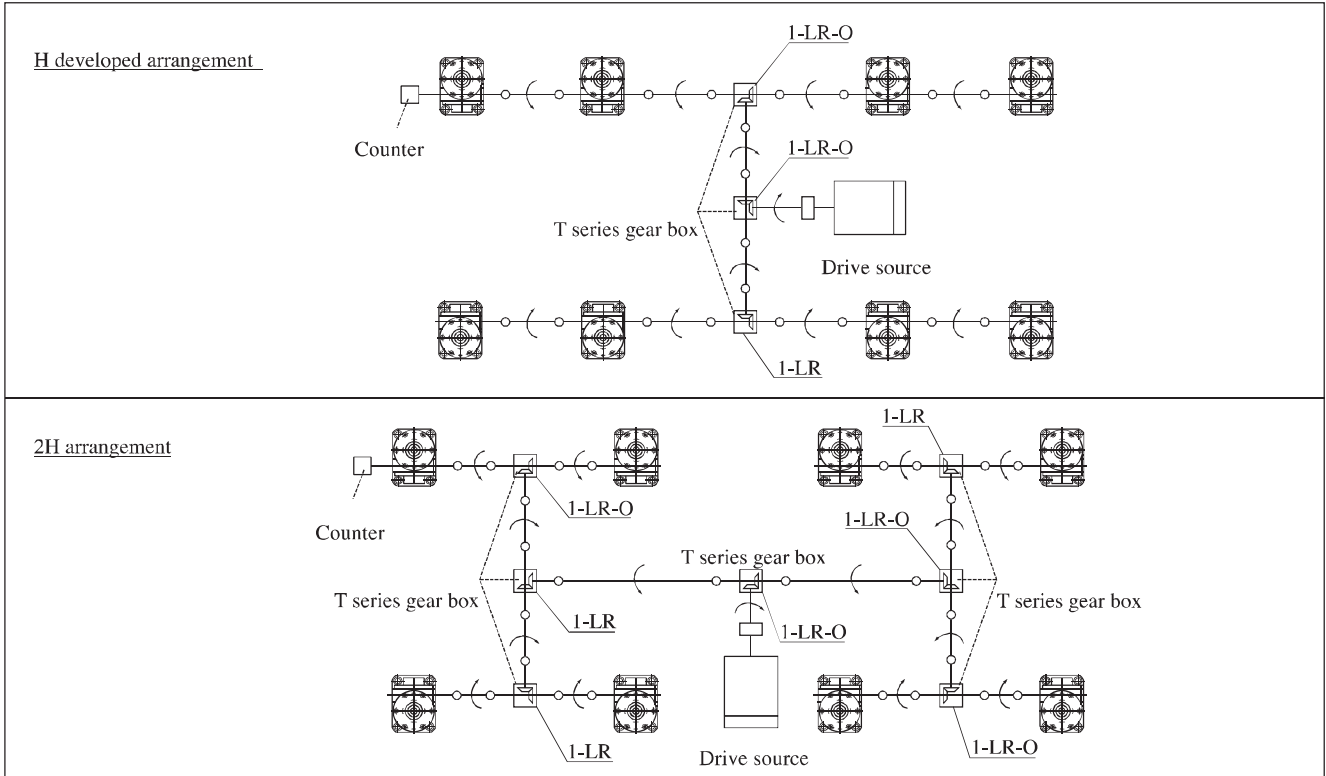
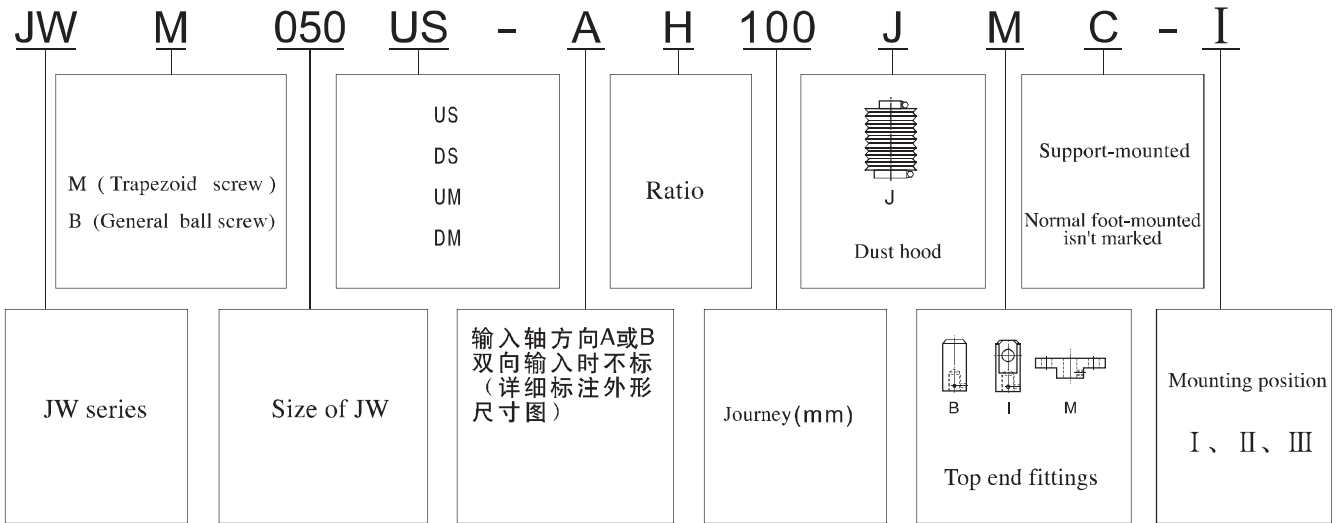




Illustration of types:

Plain mode and Mode with anti-rotation device:



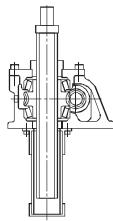
**Plain mode (US, DS)**

Worm wheel rotating, threaded spindles travel up and down.

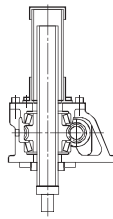
Ordinary mounting mode is applied here,

**US: UPRISE DS: DROP**

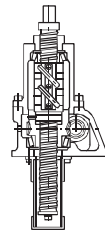
- \* Select US or DS according to the load and mounting positions.
- \* Anti-rotation measures must be taken because torque on screw will be caused when screw traveling up and down.



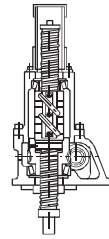
US



DS



US

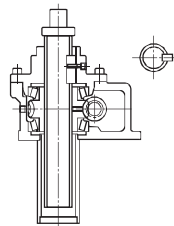


DS

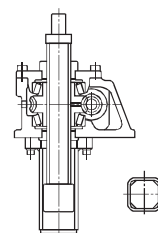
**With Anti-rotation device.**

**UM: UPRISE DM: DROP**

- \* No rotation of screw, which only travel up and down.
- \* Select UM or DM according to the load and mounting positions.

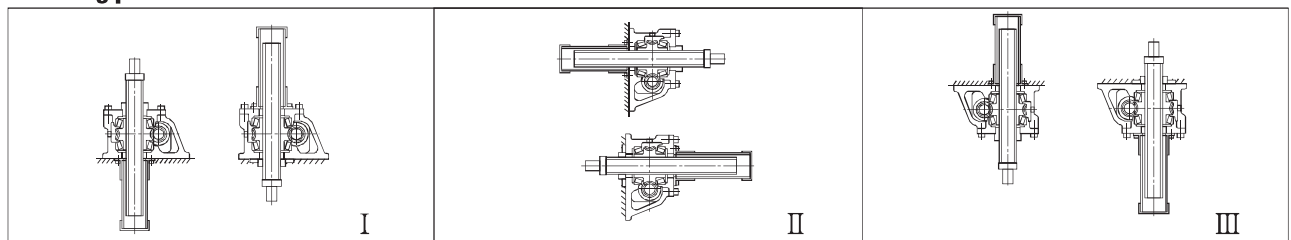


(JWM100-JWM200)  
UM



(JWM010-JWM050) (JWB010-JWB200)  
DM

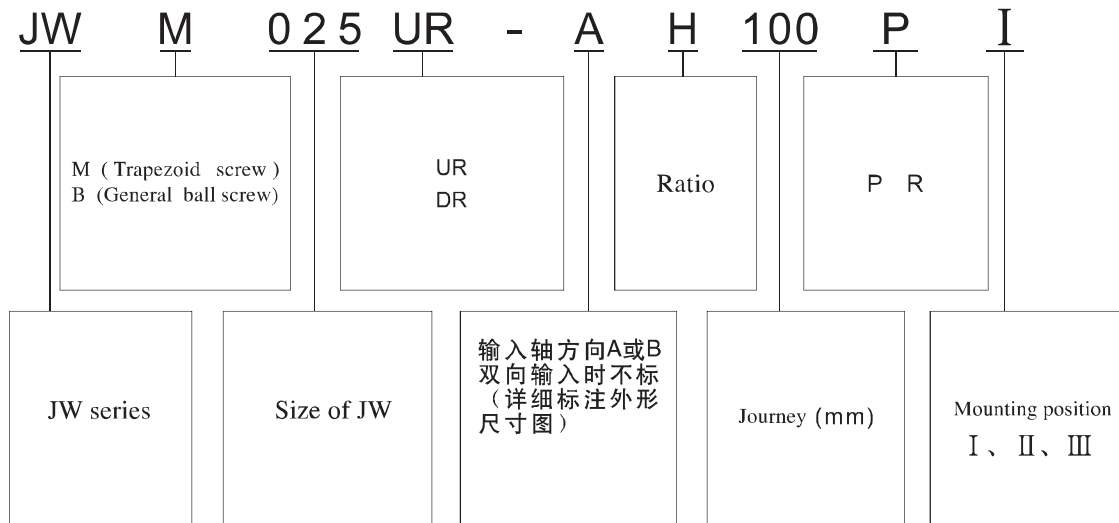
**Mounting position**



Note: Selecting mounting position III, the quality of bolt on housing feet reaches 10.9.



### Illustration of type with traveling nut



### JW with Traveling nut

In general, Jack need enough space for screw's traveling journey and dust-hood. Using traveling nut can help jack realize longer traveling journey in limited space. The top end fittings are column, it can be a supporting point for a good transmission effect when a long traveling journey is selected.

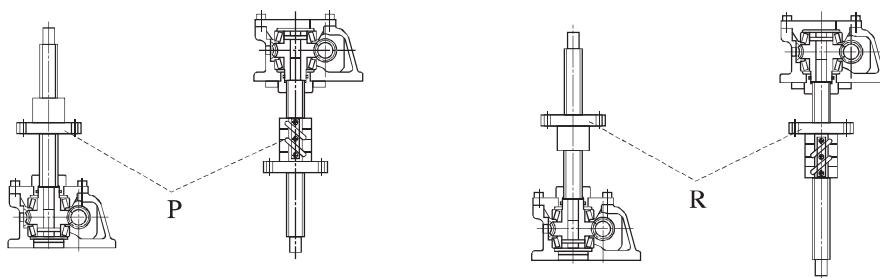
**UR: uprise DR: drop**

Select UR or DR according to the load and mounting positions.

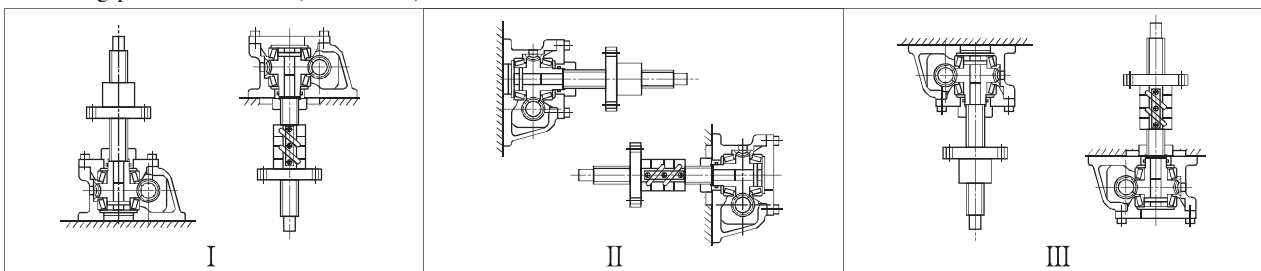
JW

### Mounting direction of traveling nut (P, R)

The mounting direction of traveling nut should be signed on drawing when selecting types.



### Mounting position of Jack ( I , II , III )



Note: Selecting mounting position III, the quality of bolt on housing feet reaches 10.9.