



# 江苏泰工机械设备有限公司

Jiangsu Taigong Machinery Equipment Co., Ltd.

地址：江苏省无锡市梁溪区凤凰城29号

电话：0510-80215222

传真：0510-82601236

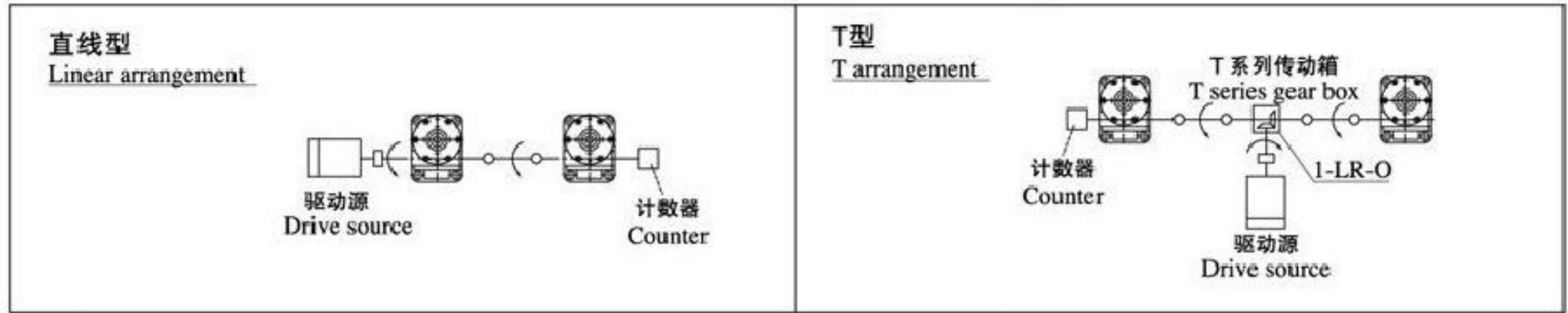
邮箱：158553680@qq.com

技术支持：13961848999



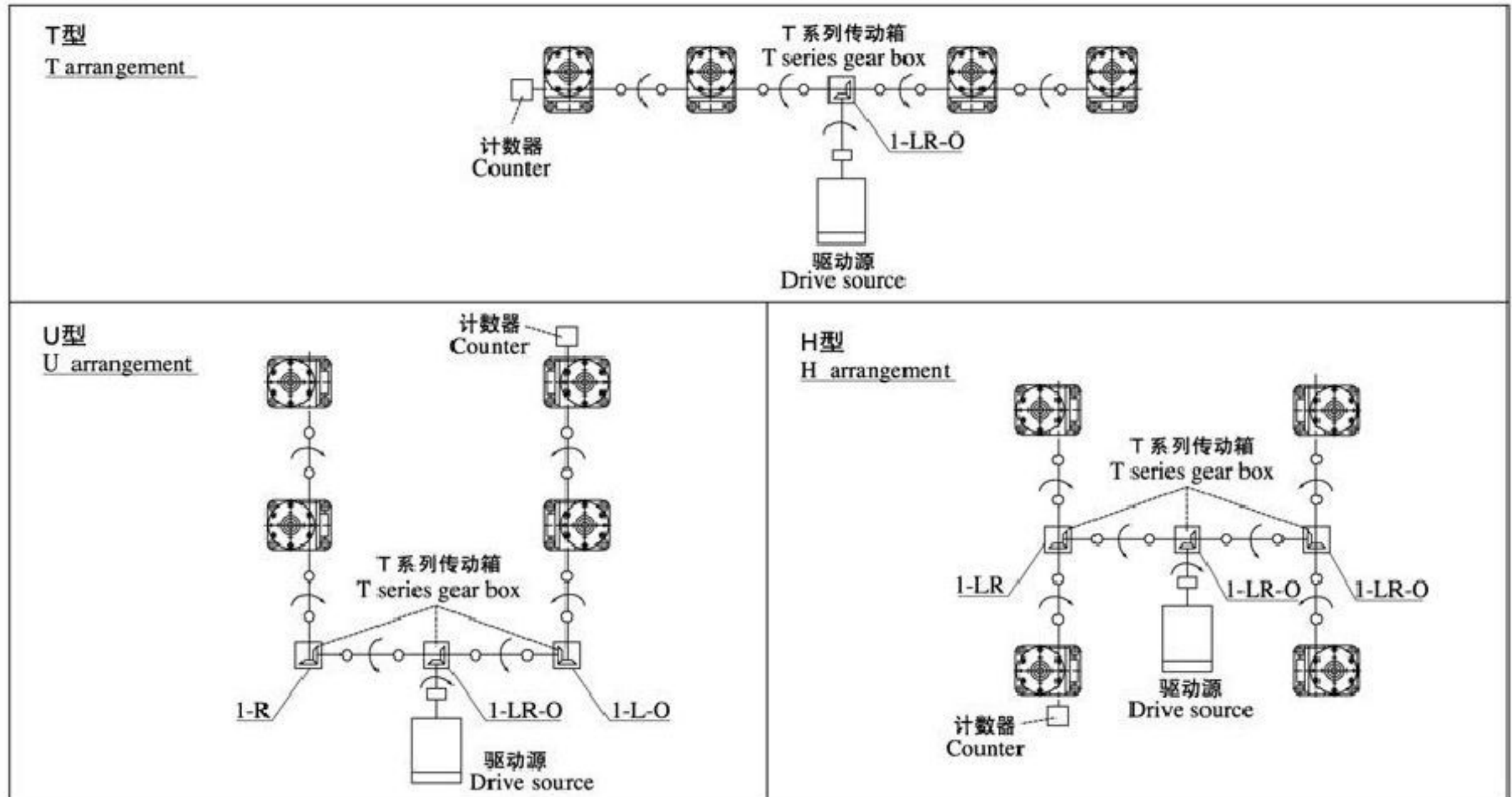
应用示例：  
两台连动：

Application example:  
Two gear boxes linking:



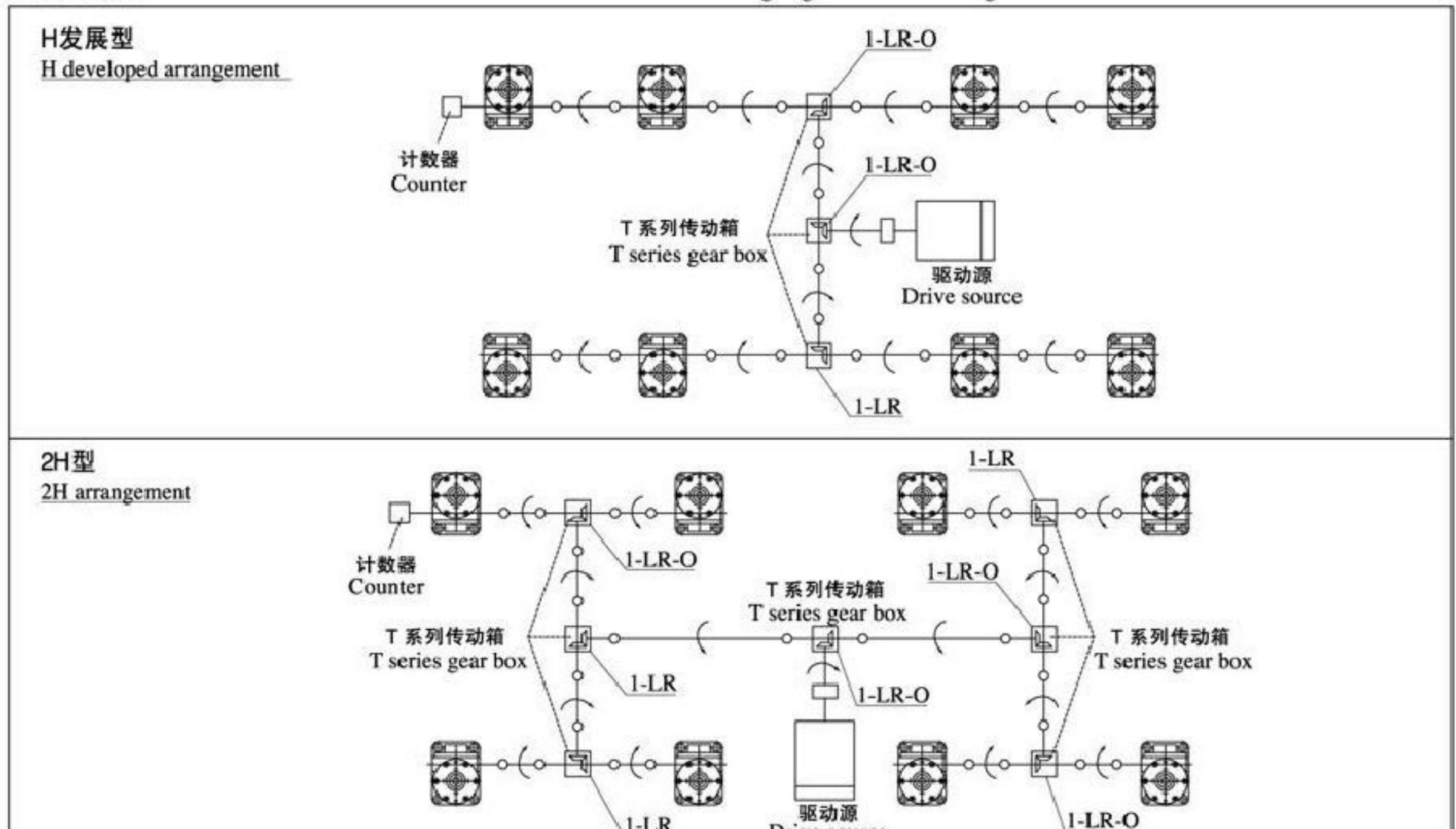
四台连动：

Four gear boxes linking:



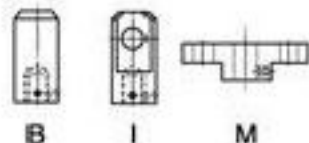
八台连动：

Eight gear boxes linking:



型号表示方法举例：

基本形式和止旋构造升降机的型号表示方法：

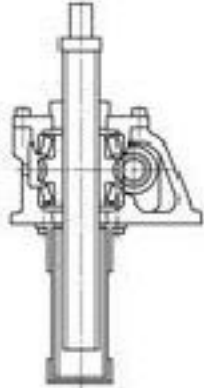
|                    |                                                                 |                   |                      |                                    |                   |                  |                                                                                              |                           |   |   |   |   |
|--------------------|-----------------------------------------------------------------|-------------------|----------------------|------------------------------------|-------------------|------------------|----------------------------------------------------------------------------------------------|---------------------------|---|---|---|---|
| JW                 | M                                                               | 050               | US                   | -                                  | A                 | H                | 100                                                                                          | J                         | M | C | - | I |
| 升降机系列<br>JW series | M梯形丝杆<br>B滚珠丝杆<br>M (Trapezoid screw)<br>B (General ball screw) | 机座号<br>Size of JW | US<br>DS<br>UM<br>DM | 蜗轮速比<br>Ratio                      | 行程(mm)<br>Journey | 防尘罩<br>Dust hood | 顶端连接方式<br>Top end fittings                                                                   | 安装方位<br>Mounting position |   |   |   |   |
|                    |                                                                 |                   |                      | 输入轴方向A或B<br>双向输入时不标<br>(详细标注外形尺寸图) |                   |                  | <br>B I M | I、II、III                  |   |   |   |   |
|                    |                                                                 |                   |                      |                                    |                   |                  | 支架安装<br>Support-mounted<br>普通底座式安装不标<br>Normal foot-mounted isn't marked                     |                           |   |   |   |   |

基本形式 (US, DS)

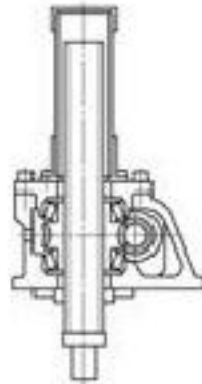
螺母转动, 丝杆上下移动并伴随附加的旋转运动, (如下图)

US: 押上 DS: 吊下

- \* 请根据载荷方向、安装方向来选择合适的升降机 (US或DS).
- \* 丝杆轴在升降时, 会产生旋转力, 所以必须做好防止旋转措施.



US

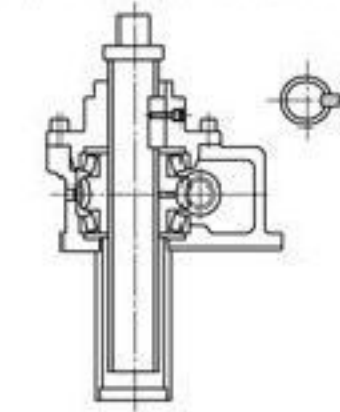


DS

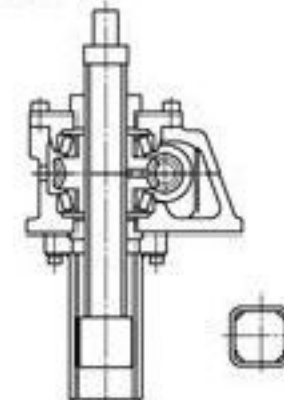
止旋构造 (UM, DM)

UM: 押上 DM: 吊下

- \* 丝杆只能上下移动
- \* 请根据载荷方向、安装方向来选合适的升降机 (UM或DM)



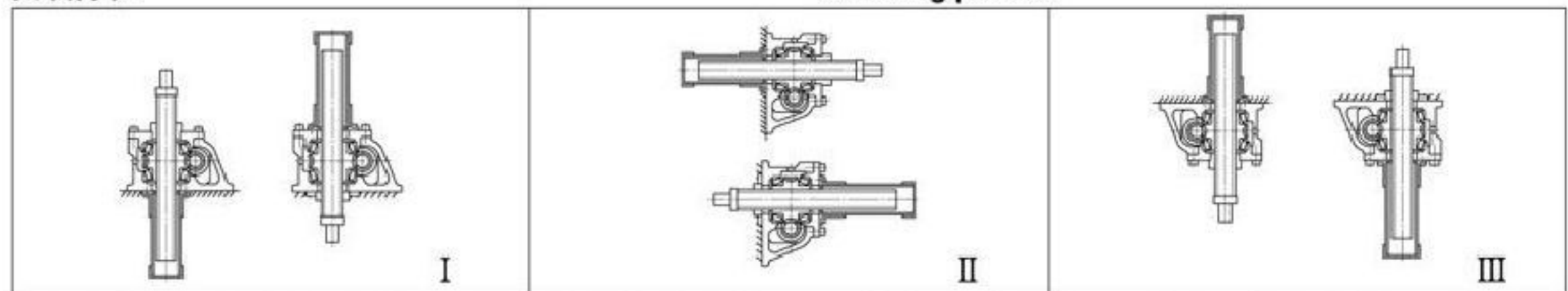
(JWM100-JWM200)  
UM



(JWM010-JWM050) (JWB010-JWB200)  
DM

安装方位

Mounting position



注: 采用III型安装方位时, 底脚安装螺栓的性能等级须为

Note: Selecting mounting position III, the quality of

Illustration of types:

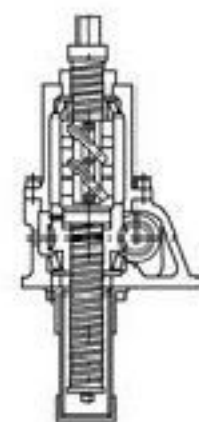
Plain mode and Mode with anti-rotation device:

Plain mode (US, DS)

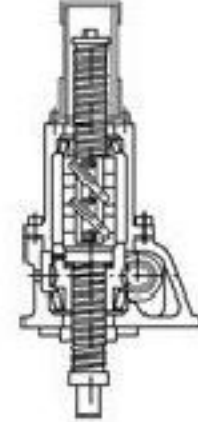
Worm wheel rotating, threaded spindles travel up and down.  
Ordinary mounting mode is applied here,

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

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.

活动螺母构造升降机的型号表示方法：

Illustration of type with traveling nut



### 活动螺母构造 (UR, DR)

一般情况下，升降机必须具有因丝杆轴的升降而产生的行程和丝杆罩所需的空间，若想在有限的空间内增长行程时，使用此活动螺母构造非常适应（丝杆轴旋转，活动螺母移动）。丝杆轴顶端为圆柱形，所以在长行程时，在轴端采用支撑方式，可以得到很好的传动效果。

UR：押上 DR：吊下

请根据载荷方向，安装方向来选择合适的升降机（押上或吊下）

### 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.

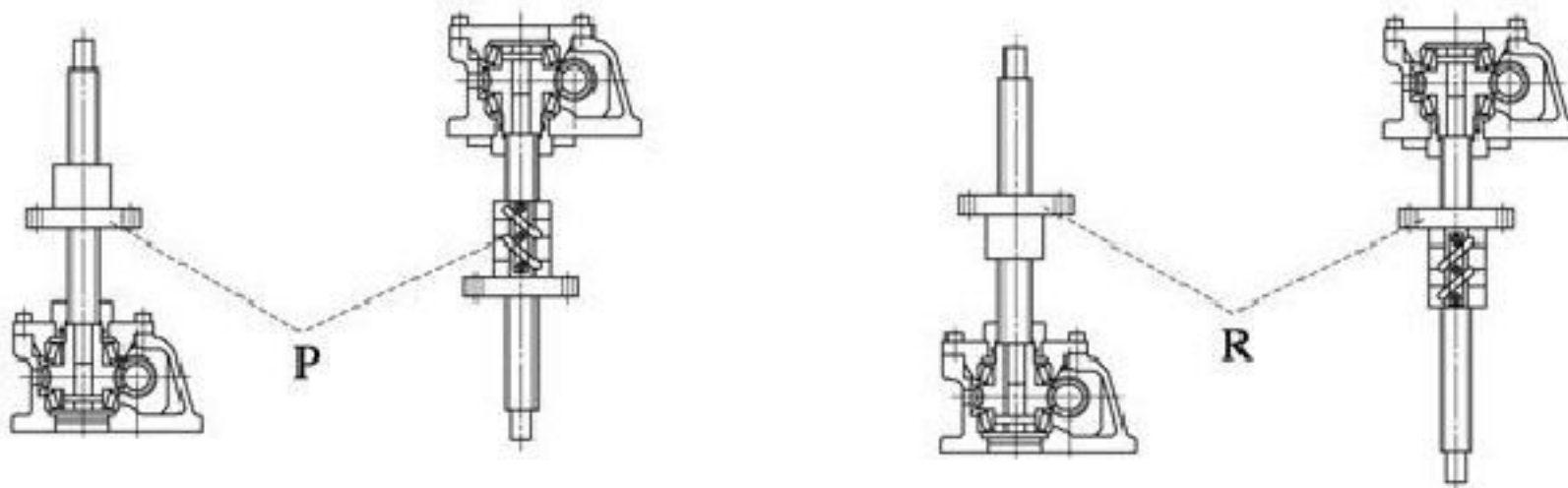
JW

### 活动螺母的安装方向 (P, R)

选型和型号表示方法中，还需注明螺母的放置方向（如下图）

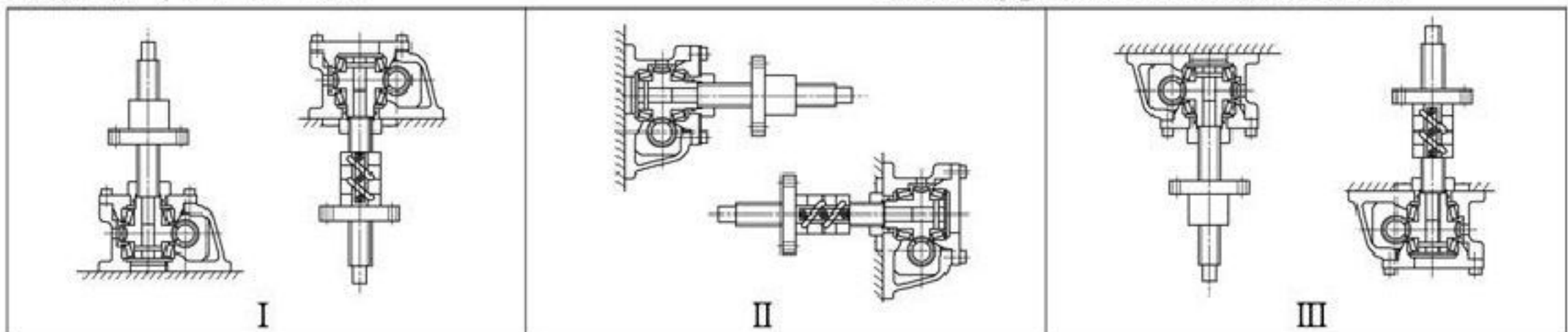
### Mounting direction of traveling nut (P, R)

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



### 安装方位 (I、II、III)

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



注：采用Ⅲ型安装方位时，底脚安装螺栓的性能等级须为10.9级以上。

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

JWM (梯形丝杆类型) 基本参数一览表

JWM (Trapezoid screw) basic parameter table:

| 型 号 Type                                                                                       |                         |                      | JWM010 | JWM025 | JWM050 | JWM100 | JWM150 | JWM200 | JWM300                         | JWM500                         | JWM750                         | JWM1000 |
|------------------------------------------------------------------------------------------------|-------------------------|----------------------|--------|--------|--------|--------|--------|--------|--------------------------------|--------------------------------|--------------------------------|---------|
| 最大载荷                                                                                           | Maximal load            | (kN)                 | 9.80   | 24.5   | 49.0   | 98.0   | 147    | 196    | 294                            | 490                            | 735                            | 980     |
| 丝杆外径                                                                                           | Outer diameter of screw | (mm)                 | 20     | 26     | 40     | 50     | 55     | 65     | 85                             | 120                            | 130                            | 150     |
| 丝杆底径                                                                                           | Small diameter of screw | d (mm)               | 14.8   | 19.7   | 30.5   | 38.4   | 43.4   | 49.3   | 67                             | 102                            | 112                            | 127     |
| 丝杆螺距                                                                                           | Pitch of screw          | L1 (mm)              | 4      | 5      | 8      | 10     | 10     | 12     | 16                             | 16                             | 16                             | 20      |
| 减速比<br>Ratio i                                                                                 | H 速度                    | Speed                | 5      | 6      | 6      | 8      | 8      | 8      | 10 <sup>2</sup> / <sub>3</sub> | 10 <sup>2</sup> / <sub>3</sub> | 10 <sup>2</sup> / <sub>3</sub> | 12      |
|                                                                                                | L 速度                    | Speed                | 20     | 24     | 24     | 24     | 24     | 24     | 32                             | 32                             | 32                             | 36      |
| 综合效率 %<br>Integrated efficiency η                                                              | H 速度                    | Speed                | 21     | 21     | 22     | 22     | 20     | 20     | 19                             | 15                             | 13                             | 13      |
|                                                                                                | L 速度                    | Speed                | 12     | 12     | 14     | 15     | 14     | 13     | 11                             | 10                             | 8                              | 8       |
| 容许输入最大功率 (kW)<br>Permissible output maximal power                                              | H 速度                    | Speed                | 0.49   | 1.0    | 2.0    | 2.8    | 3.1    | 5.0    | 8.4                            | 13.4                           | 14.4                           | 21.4    |
|                                                                                                | L 速度                    | Speed                | 0.36   | 0.46   | 0.63   | 1.4    | 2.2    | 3.2    | 4.6                            | 5.7                            | 7.2                            | 9.4     |
| 空载扭矩                                                                                           | No-load torque          | T <sub>0</sub> (N·m) | 0.29   | 0.62   | 1.4    | 2.0    | 2.6    | 3.9    | 9.8                            | 19.6                           | 29.4                           | 39.2    |
| 容许输入轴扭矩*<br>Permissible torque of input shaft (N·m)                                            |                         |                      | 19.6   | 49.0   | 153.9  | 292.0  | 292.0  | 292.0  | 735.0                          | 1372.0                         | 1764.0                         | 2450.0  |
| 最大载荷时所需输入轴扭矩**<br>Required torque of input shaft at maximal load (N·m)                         | H 速度                    | Speed                | 6.2    | 16.1   | 48.7   | 90.7   | 149.0  | 238.1  | 400.1                          | 856.0                          | 1380.5                         | 2040.9  |
|                                                                                                | L 速度                    | Speed                | 2.9    | 7.4    | 20.0   | 45.3   | 72.3   | 124.0  | 244.0                          | 453.3                          | 761.3                          | 1278.3  |
| 输入轴每回转一圈丝杆<br>(活动螺母)轴向位移量<br>Axial journey of screw,<br>when input shaft rotate a circle. (mm) | H 速度                    | Speed                | 0.80   | 0.83   | 1.33   | 1.25   | 1.25   | 1.50   | 1.50                           | 1.50                           | 1.50                           | 1.67    |
|                                                                                                | L 速度                    | Speed                | 0.20   | 0.21   | 0.33   | 0.42   | 0.42   | 0.50   | 0.50                           | 0.50                           | 0.50                           | 0.56    |
| 最大载荷时容许输入轴回转速度<br>Permissible rotational speed of<br>screw shaft at maximal load (rpm)         | H 速度                    | Speed                | 750    | 600    | 400    | 300    | 200    | 200    | 200                            | 150                            | 100                            | 100     |
|                                                                                                | L 速度                    | Speed                | 1200   | 600    | 300    | 300    | 290    | 250    | 180                            | 120                            | 90                             | 70      |
| 最大载荷时丝杆回转扭矩 (N·m)<br>Rotational torque of screw at maximal load                                |                         |                      | 20.1   | 65.1   | 201.5  | 503.6  | 813.2  | 1287.7 | 2531.9                         | 5551.3                         | 8921.8                         | 13878.3 |

\* 减速机输入轴的容许扭矩。(连动运转时请确认)

\*\* 包括无负荷空转扭矩的数值。

\* Permission torque of shaft of reducer.

\*\* Include torque under the condition of no-load operating.

JWB (普通滚珠丝杆) 基本参数一览表

JWB (General ball screw) basic parameter table:

| 型 号 Type                                                                                              |                         |                      | JWB010 | JWB025 | JWB050 | JWB100 | JWB150 | JWB200 | JWB300                         | JWB500                         |
|-------------------------------------------------------------------------------------------------------|-------------------------|----------------------|--------|--------|--------|--------|--------|--------|--------------------------------|--------------------------------|
| 最大载荷                                                                                                  | Maximal load            | (kN)                 | 9.80   | 24.5   | 49.0   | 98.0   | 147    | 196    | 294                            | 490                            |
| 丝杆外径                                                                                                  | Outer diameter of screw | (mm)                 | 20     | 25     | 40     | 50     | 55     | 65     | 80                             | 100                            |
| 丝杆底径                                                                                                  | Small diameter of screw | d (mm)               | 17.5   | 21.4   | 31.3   | 39.1   | 43.1   | 55.7   | 74.8                           | 87                             |
| 丝杆螺距                                                                                                  | Pitch of screw          | L1 (mm)              | 5      | 8      | 10     | 12     | 12     | 12     | 16                             | 20                             |
| 减速比<br>Ratio i                                                                                        | H 速度                    | Speed                | 5      | 6      | 6      | 8      | 8      | 8      | 10 <sup>2</sup> / <sub>3</sub> | 10 <sup>2</sup> / <sub>3</sub> |
|                                                                                                       | L 速度                    | Speed                | 20     | 24     | 24     | 24     | 24     | 24     | 32                             | 32                             |
| 综合效率 %<br>Integrated efficiency η                                                                     | H 速度                    | Speed                | 61     | 62     | 64     | 63     | 63     | 62     | 56                             | 60                             |
|                                                                                                       | L 速度                    | Speed                | 34     | 35     | 39     | 43     | 43     | 41     | 34                             | 38                             |
| 容许输入最大功率 (kW)<br>Permissible output maximal power                                                     | H 速度                    | Speed                | 0.54   | 1.3    | 2.2    | 3.6    | 4.0    | 5.5    | 8.9                            | 13.3                           |
|                                                                                                       | L 速度                    | Speed                | 0.27   | 0.63   | 1.0    | 1.9    | 2.1    | 2.8    | 4.1                            | 6.5                            |
| 空载扭矩                                                                                                  | No-load torque          | T <sub>0</sub> (N·m) | 0.29   | 0.62   | 1.37   | 1.96   | 2.65   | 3.92   | 9.81                           | 19.6                           |
| 保持扭矩<br>Keeping torque (N·m)                                                                          | H 速度                    | Speed                | 1.27   | 4.31   | 10.78  | 19.6   | 39.2   | 51.0   | 68.6                           | 140.1                          |
|                                                                                                       | L 速度                    | Speed                | 0.26   | 0.91   | 2.4    | 5.8    | 11.8   | 15.0   | 19.5                           | 41.2                           |
| 容许输入轴扭矩* Permissible torque of input shaft (N·m)                                                      |                         |                      | 19.6   | 49.0   | 153.9  | 292.0  | 292.0  | 292.0  | 735.0                          | 1372.0                         |
| 最大载荷时所需输入轴扭矩** (N·m)<br>Required torque of input shaft at maximal load                                | H 速度                    | Speed                | 2.8    | 9.0    | 21.5   | 39.1   | 77.0   | 104.5  | 169.6                          | 317.5                          |
|                                                                                                       | L 速度                    | Speed                | 1.4    | 4.3    | 9.6    | 20.4   | 39.6   | 54.2   | 98.5                           | 177.9                          |
| 输入轴每回转一圈对应丝杆<br>(活动螺母)轴向位移量<br>Axial displacement of screw,<br>when input shaft rotate a circle. (mm) | H 速度                    | Speed                | 1      | 1.33   | 1.67   | 1.5    | 1.5    | 1.5    | 1.5                            | 1.88                           |
|                                                                                                       | L 速度                    | Speed                | 0.25   | 0.33   | 0.42   | 0.5    | 0.5    | 0.5    | 0.5                            | 0.63                           |
| 最大载荷时容许输入轴回转速度<br>Permissible rotational speed of<br>screw shaft at maximal loading (rpm)             | H 速度                    | Speed                | 1500   | 1400   | 1000   | 890    | 500    | 500    | 500                            | 400                            |
|                                                                                                       | L 速度                    | Speed                | 1500   | 1400   | 1000   | 890    | 500    | 500    | 400                            | 350                            |
| 最大载荷时丝杆回转扭矩 (N·m)<br>Rotational torque of screw at maximal load                                       |                         |                      | 8.7    | 34.7   | 86.7   | 208.2  | 416.3  | 555.1  | 1040.9                         | 2081.7                         |

\* 减速机输入轴的容许扭矩。(连动运转时请确认)

\* Permissible torque of shaft of reducer.

## 注意事项:

- 1) 选择升降机时不论静载、动载、冲击载荷均不得超过其允许承受的最大载荷, 根据安全系数、使用行程、校对丝杆的稳定性选择具有充分容量的升降机;
- 2) 一定要注意丝杆轴转速与承受的载荷进行搭配, 对于升降机的容许最大载荷、容许外加负载、容许丝杆轴的旋转速度等项目进行校验, 如果超过产品的数据将会造成升降机设备整体的重大损伤;
- 3) 升降机在工作时其减速部表面温度应控制在  $-15^{\circ}\text{C} \sim 80^{\circ}\text{C}$  的范围以内, 确保活动螺母的表面温度也在上述范围以内;
- 4) 输入轴容许转速为  $1500\text{r/min}$ , 输入轴不得超过此转速;
- 5) JWM和JWB都不可连续运转:  
单台升降机的负荷时间率(%ED)以30分为单位计算, JWM(梯形丝杆类型)的负荷时间内不得超过20%ED, JWB(普通滚珠丝杆)的负荷时间率不得超过30%ED,

负荷时间率%ED =

$$\frac{\text{1动作周期的工作时间}}{\text{1动作周期的工作时间} + \text{1动作周期的停歇时间}} \times 100\%$$

- 6) 对于在同一轴线上连接数台升降机时, 请务必对输入轴强度进行校核, 使每台升降机所承担的扭矩都应在其容许输入轴扭矩以内;
- 7) 驱动源的启动扭矩应确保在使用扭矩的200%以上;
- 8) 在零摄氏度以下工作时因受润滑油粘性变化的影响使得整机效率下降, 所以必须选有充足的驱动源;
- 9) JWM型理论上具有自锁功能, 但工作在振动冲击较大的场合时会导致自锁功能失灵, 因此须外加一制动装置或选择带有制动的驱动源。  
JWB型升降机本身不具有自锁功能, 为了防止由于轴向载荷和丝杆的自重而产生逆转, 必须外加制动装置或选择带有制动的驱动源, 请确保制动扭矩大于保持扭矩;

## 10) 升降机使用的环境如下

|      |                     |                                               |                                   |
|------|---------------------|-----------------------------------------------|-----------------------------------|
| 使用场所 | Working Location    | 室内无雨水侵入的场所                                    | Indoor location without rainwater |
| 周围空气 | Ambient Air         | 灰尘为一般工厂状态                                     | Normal                            |
| 环境温度 | Ambient Temperature | $-15^{\circ}\text{C} \sim 40^{\circ}\text{C}$ |                                   |
| 相对湿度 | Relative Humidity   | 85%以下                                         | Less than 85%                     |

- 11) 当升降机工作在多灰尘的场所中时请务必选择防尘罩伸缩套附件来保护丝杆, 在室外使用时请务必考虑使用罩壳等装置, 使机器不直接受到风吹雨打;
- 12) 在升降机工作时, 不得进行人为的强行停机, 否则将使升降机受到严重破损;
- 13) 在有负载的情况下, 请不要将JWB型的输入轴驱动方式变为手动操作, 负载有可能会造成输入轴旋转非常危险。

## Note:

- 1) Select a Jack with sufficient capacity according to safety factor, service journey and stability. And stationary load, dynamic load and shock load must be lower than permissible maximum load.
- 2) Please note that rotation speed of screw must match load, permissible maximum load, permissible maximum outer load, and permissible rotation speed of screw must be verified. If these figures exceed that of products, jacks will be damaged greatly.
- 3) The surface temperature will be limited in  $-15^{\circ} \sim 80^{\circ}$  when jack working to ensure the temperature of traveling nuts in  $-15^{\circ} \sim 80^{\circ}$ .
- 4) Maximum input speed is  $1500\text{r/min}$ .
- 5) JWM and JWB aren't suitable for continuous operation, Jack Duty(%ED)  
JWM duty(%ED) cannot exceed 20%ED,  
JWB duty(%ED) cannot exceed 30%ED,

Duty %ED =

$$\frac{\text{jack operating time(lift \& lower cycle)}}{\text{Elapsed cycle time}} \times 100\%$$

- 6) When several Jacks are connected on the same axial line, the loaded torque with each Jack must be verified and limited within permissible input torque.
- 7) Starting torque must be 200% of service torque.
- 8) At below  $0^{\circ}$  ambient temperature, changed adhesion of lubrication will lower Jack's efficiency so that sufficient drive is necessary.
- 9) JWM has self-lock function, but an Extra braking device or drive source with braking device is necessary to be equipped because self-lock will be of mal-function when Jack is loaded a heavy shock.  
JWB has no self-lock function, to avoid backspin of screw under axial load and its weight, a braking device or drive source with braking device is necessary to be equipped and braking torque must be larger than operating torque of Jack.

## 10) Jack's operating conditions

- 11) When working in dusty space, Jack must be equipped with elastic dust-hood on screw; in open air, shield must be equipped to prevent exposure to wind and rain.
- 12) When working, Jack cannot be forced to stop, or it will be damaged seriously.
- 13) Under load, don't change motor drive mode into manual drive, or which will cause backspin of screw and cause great danger.

选型方法:

升降机型号的确定:

计算总机的当量载荷 $W_s$  (N)

$$W_s = \text{最大载荷 } W_{\max} \times \text{使用系数 } f_1 (N)$$

被驱动设备系数 ( $f_1$ ) 表:

| 载荷性质<br>Load character                              | 使用举例<br>Example                                                                             | 被驱动设备系数<br>Factor for driven machine ( $f_1$ ) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------|
| 无冲击载荷, 负荷惯性小<br>shockless load & small inertia load | 开关、阀门传送带切换装置<br>Switch, valve transmission belt swithing device                             | 1.0 ~ 1.3                                      |
| 轻微冲击载荷, 负荷惯性中等<br>moderate shock & moderate inertia | 各种移动装置; 升降用各种升降机<br>All kinds of moving devices, all kinds of elevators                     | 1.3 ~ 1.5                                      |
| 大冲击振动载荷, 负荷惯性大<br>heavy shock & large inertia       | 用台车搬运东西; 保持压延滚轮的位置<br>Carrying something by trolley;<br>to keep the position of idling gear | 1.5 ~ 3.0                                      |

计算单台升降机的当量载荷 $W$ ,

$$W = \frac{W_s}{\text{连动台数} \times \text{连动系数 } f_d}$$

连动系数 Linkage factor ( $f_d$ ):

| 连动台数<br>Number of linkage jack | 1 | 2    | 3   | 4    | 5~8 |
|--------------------------------|---|------|-----|------|-----|
| 连动系数 Linkage factor            | 1 | 0.95 | 0.9 | 0.85 | 0.8 |

确定升降机型号:

充分考虑载重, 速度, 行程, 效率, 驱动源后暂时选定型号

根据使用行程、环境条件、输出顶端的联接方式, 确定升降机的整体型号。

输入功率校核:

负载所需输入功率与许容最大输入功率相比较  
如果超过请提高型号或降低丝杆轴转速再计算。

负载所需输入功率计算 Calculation of required input power under load :

|                                                |               |                                                              |
|------------------------------------------------|---------------|--------------------------------------------------------------|
| 所需输入轴转速 Required rotation speed of input shaft | $n_1$ (r/min) | $n_1 = \frac{V}{L_i} \times i$                               |
| 所需输入轴扭矩 Required torque of input shaft         | $T_1$ (N · m) | $T_1 = \frac{W \times L_1}{2\pi \times i \times \eta} + T_0$ |
| 所需输入功率 Required input power                    | $P_1$ (kW)    | $P_1 = \frac{T_1 \times n_1}{9550}$                          |

V: 升降机丝杆轴(活动螺母)升降速度 mm/min  $L_1$ : 丝杆螺距 (mm)  
 $i$ : 减速比  $W$ : 单台升降机当量载荷 (N)  $\pi$ : 圆周率  
 $\eta$ : 升降机的综合效率  $T_0$ : 空载扭矩 (N·m)  
 ( $L_1$ 、 $i$ 、 $\eta$ 、 $T_0$ 参照基本参数表)

丝杆稳定性校核

当丝杆承受轴向压缩载荷时, 请对其进行稳定性校验, 如超过其临界载荷值请提高型号后再计算。

升降机丝杆临界稳定载荷通过以下公式计算:

$$P_{CR} = f_m \times \left( \frac{d^2}{L_a} \right)^2$$

$P_{CR}$ : 临界载荷 (N)  
 $d$ : 丝杆底径mm(参照基本参数表)  
 $f_m$ : 支撑系数  
 $L_a$ : 作用点间距离mm  
 $W$ : 单台升降机当量载荷 (N)  
 $SF$ : 安全系数 (SF=4 为推荐)

How to select type:

Determine Jack's type:

Calculate total equivalent load  $W_s$  (N):

$$W_s = W_{\max} \times f_1$$

Service factor for driven machine ( $f_1$ ) :

Calculate equivalent load of single Jack,

$$W = \frac{W_s}{\text{Number} \times \text{Linkage factor } (f_d)}$$

Temporarily determine Jack type:

Temporarily determine Jack type after taking full consideration of load, speed, journey, efficiency and drive source.

Determine JW type according to service journey, ambient conditions, connection mode of end-fittings.

Verify input power

If required input power under load exceeds permissible maximum input power, please select larger type or lower the speed of screw rotation.

Calculation of required input power under load :

V: linear speed of screw mm/min  $L$ : Pitch of screw (m)  
 $i$ : ratio  $W$ : equivalent load of single jack  $\pi$ :  $\pi$   
 $\eta$ : Integrated efficiency  $T_0$ : No-load torque (Nm)  
 ( $L_1$ 、 $i$ 、 $\eta$ 、 $T_0$  refer to basic parameter table)

Verify the stability of screw:

Please verify the stability of screw under axial load, larger type should be used when load exceed the critical load.

The formula to calculate the critical load as follows,

确保  
ensure

$$P_{CR} > W \times SF \quad (SF = 4)$$

$P_{CR}$ : Critical load (N)

$d$ : small diameter of screw end (mm) (refer to basic parameter table)

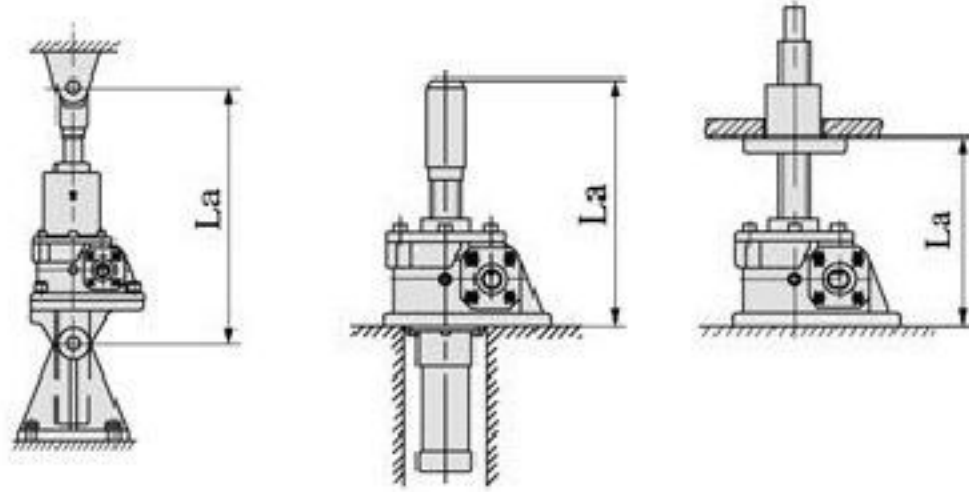
$f_m$ : support factor

$L_a$ : distance between load-supporting point and mounting point as drawing.

$W$ : equivalent load of single Jack (N)

$SF$ : safety factor (SF=4 is usual)

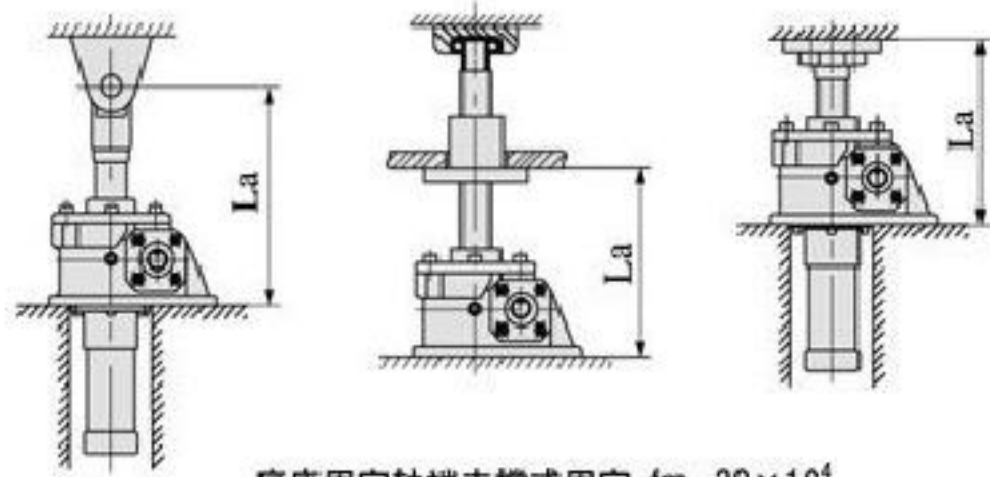
丝杆轴稳定性校验时， $L_a$  ( $L_a$ 值计算根据各型号尺寸) 与  $f_m$  (支撑系数) 选取如下：



两端支撑  $f_m = 10 \times 10^4$   
 support at both ends  $f_m = 10 \times 10^4$

底座固定轴端自由  $f_m = 2.5 \times 10^4$   
 Foot-mounted & movable shaft end  $f_m = 2.5 \times 10^4$

Verifying the stability of screw, the values of  $L_a$  and  $f_m$  as follows,



底座固定轴端支撑或固定  $f_m = 20 \times 10^4$   
 Foot-mounted & shaft end supporting or fixed  $f_m = 20 \times 10^4$

### 临界转速校核

如为活动螺母选型时，请务必将丝杆轴转速控制在临界转速以下，若超出临界转速，请提高型号再计算。

Verifying critical rotation speed:

Using traveling nut, the rotation speed of screw must be lower than critical speed, if no, please select larger type and calculate again.

$$n_c = \frac{96 \times f_n \times d \times 10^6}{L_b^2}$$

$$n_s = \frac{n_1}{i}$$

$n_c$ : 临界转速 r/min

$d$ : 丝杆底径 mm(参照基本参数表)

$f_n$ : 长度系数

$L_b$ : 支撑间距离 mm

$n_s$ : 丝杆转速 r/min

$n_1$ : 输入速度 r/min

$i$ : 减速比

$n_c$ : Permissible rotation speed of screw

$n_s$ : Rotational speed of screw

$d$ : Small diameter of screw (refer to basic parameter table)

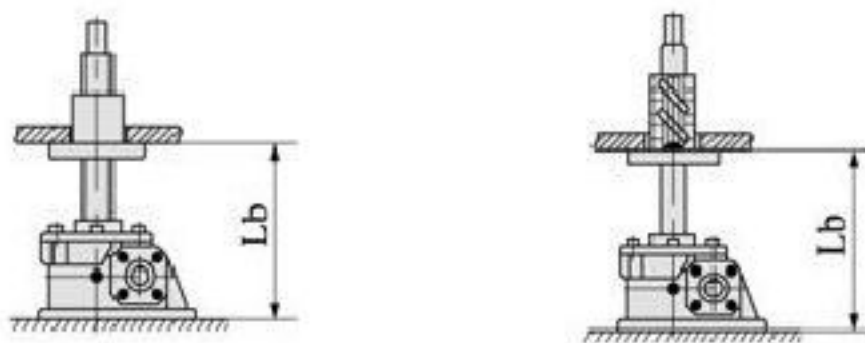
$n_1$ : Rotational speed of input shaft

$f_n$ : Length factor

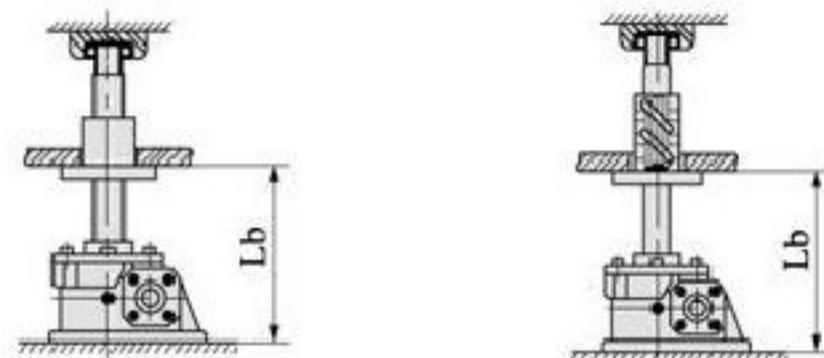
$i$ : ratio

$L_b$ : Distance between both supporting face

丝杆轴转速校验时， $L_b$  ( $L_b$ 值计算根据各型号尺寸) 与  $f_n$  (长度系数) 选取如下：



轴端自由  $f_n = 0.36$   
 Movable shaft end  $f_n = 0.36$



轴端支撑  $f_n = 1.56$   
 Shaft end supporting  $f_n = 1.56$

请确保:  $n_c > n_s$

计算举例: JWM200UR-H1200PI 在输入转速为 1200r/min, 轴端支撑下运转, 根据外形尺寸与传动能力表查得:

$d = 49.3$        $L_b = 1437$

Ensure:  $n_c > n_s$

Example for calculation:

Take JWM200UR-H1200PI as example,  $n_1 = 1200$  r/min, connecting mode of top-end: I, we can know  $d = 49.3$ ,  $L_b = 1437$  referring to dimension and transmission capacity table.

$$n_s = \frac{n_1}{i} = \frac{1200}{8} = 150 \text{ r/min}$$

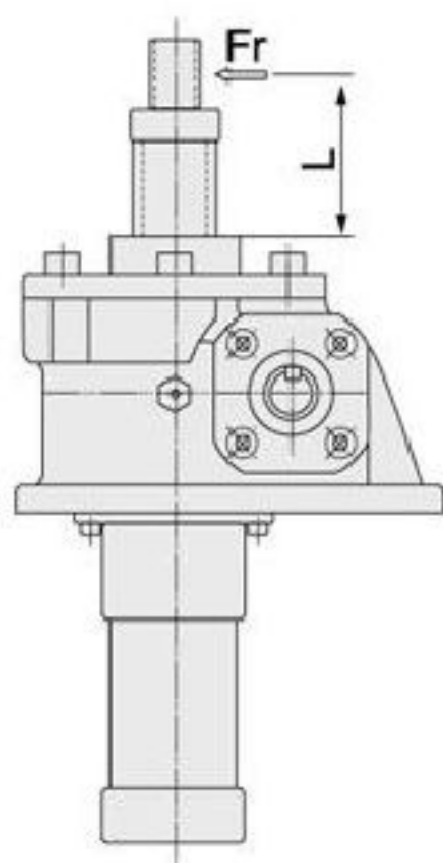
$$n_c = \frac{96 \times f_n \times d \times 10^6}{L_b^2} = \frac{96 \times 1.56 \times 49.3 \times 10^6}{(1437)^2} = 3575 \text{ r/min}$$

$$n_c = 3575 \text{ r/min} > n_s = 150 \text{ r/min} \dots \dots \dots \text{ok.}$$

当有横向载荷时，请外加导向器。

When there is radial load, please add guiding device.

JWM 许用横向载荷 Permitted radial load  $F_r(N)$ :

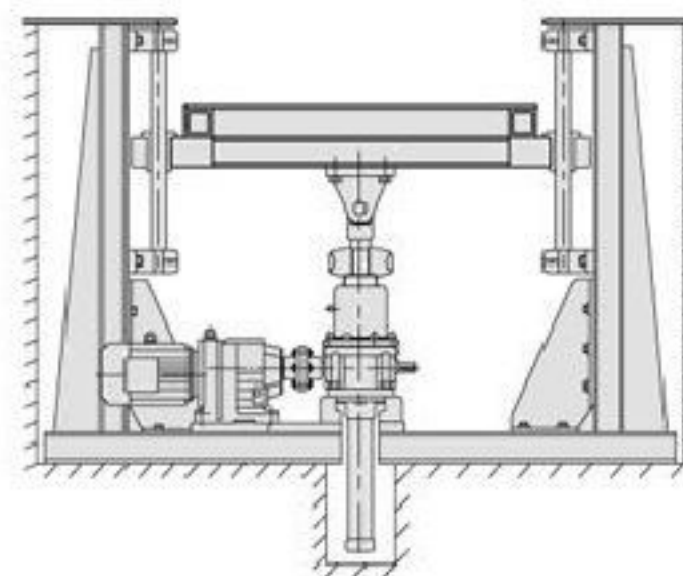
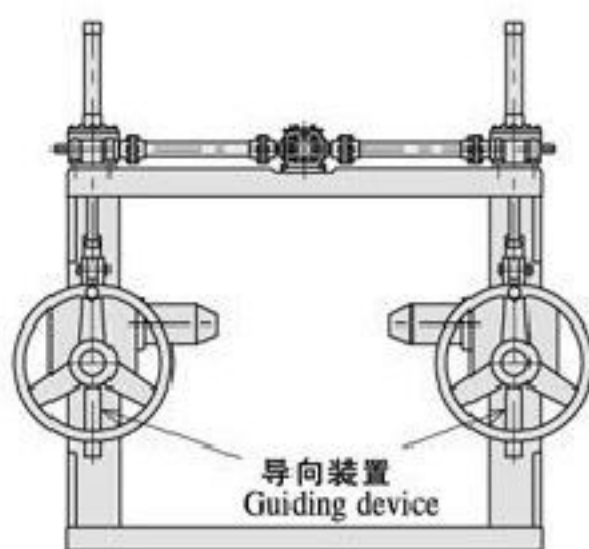


| $F_r(N)$<br>L (mm) | Type | 010 | 025 | 050  | 100  | 150  | 200  | 300   | 500   | 750   | 1000   |
|--------------------|------|-----|-----|------|------|------|------|-------|-------|-------|--------|
| 100                |      | 318 | 570 | 2500 | 4010 | 4610 | 8210 | 38200 | 85300 | 73500 | 186200 |
| 200                |      | 159 | 290 | 1250 | 2010 | 2300 | 4110 | 23000 | 50400 | 56800 | 145000 |
| 300                |      | 106 | 190 | 830  | 1340 | 1540 | 2740 | 15300 | 33600 | 46100 | 104700 |
| 400                |      | 79  | 140 | 620  | 1000 | 1150 | 2050 | 11400 | 25200 | 39300 | 78500  |
| 500                |      | 64  | 110 | 500  | 800  | 920  | 1640 | 9100  | 20200 | 33900 | 62800  |
| 600                |      | 53  | 100 | 420  | 670  | 770  | 1370 | 7600  | 16800 | 29900 | 52300  |
| 700                |      | 51  | 90  | 360  | 570  | 660  | 1170 | 6500  | 14400 | 26700 | 44800  |
| 800                |      | 48  | 90  | 310  | 500  | 580  | 1030 | 5700  | 12600 | 24100 | 39200  |
| 900                |      | 45  | 90  | 280  | 450  | 510  | 910  | 5000  | 11200 | 22000 | 34800  |
| 1000               |      | 42  | 90  | 250  | 400  | 460  | 820  | 4500  | 10100 | 20200 | 31300  |

JWB或JWM超过许用横向载荷时，请外加导向装置，举例如下：

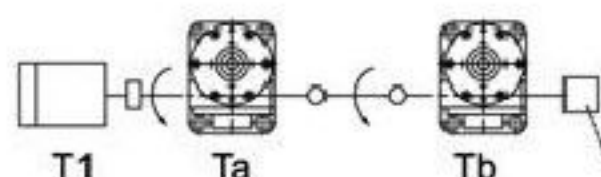
When operating radial load exceeds critical radial load, please add guiding device, for example,

JW



当升降机传动配置为串联时(即同一轴线配置了两个或以上数量的升降机)如图须对各升降机输入轴端进行强度校核：

Please verify input torque of each Jack when several Jack are connected on the same input axial line as the following,



$T_a$ : 为升降机a的所需输入扭矩

$T_b$ : 为升降机b的所需输入扭矩

电机必需的扭矩  $T_1 = T_a + T_b < \text{升降机a的容许输入轴扭矩}$

$T_a$ : Required torque of input shaft of jack a.

$T_b$ : Required torque of input shaft of jack b.

Required torque of motor  $T_1 = T_a + T_b < \text{Promitted input torque of jack a.}$

### 升降机选择举例：

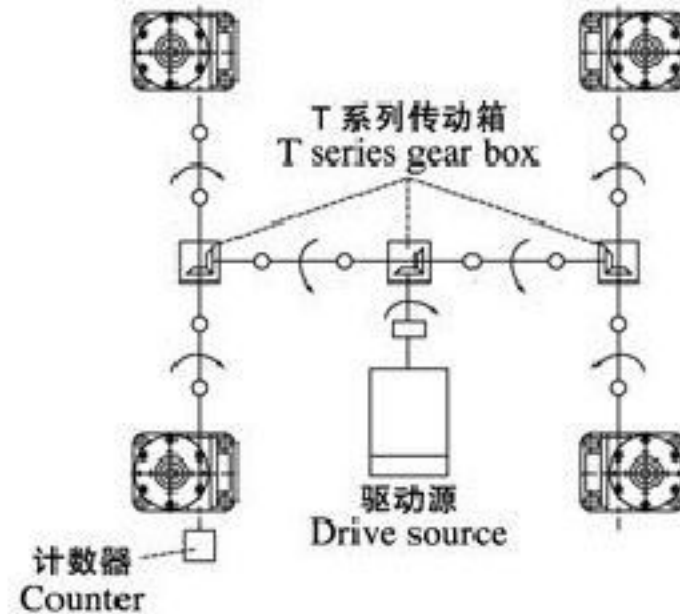
例题：4台连动押上用，结构如下图所示的4台连动模式，工厂内保持常温，有少许灰尘，有横向负荷在升降机侧面设置了导向器，安装状态采用底座固定，轴端采用一固定一支撑，电源为三相380V/50Hz，使用频率为2次/小时×8小时

- 1.最大轴向载荷：88.2 KN/4台
- 2.升降速度：10mm/s (600mm/min)
- 3.使用行程：260mm

### Jack selection example:

Example: Four Jacks, linked as the following drawing, normal temperature, thin dust, radial load, with guiding devices on one side, foot-mounted, fixed the screw top-end, 380v/50Hz, service frequency: 2 times/hour, service time : 8 hours.

1. Maximum axial load ; 88.2KN/4 Jacks
2. Linear speed : 10mm/s (600mm/min)
3. Service journey : 260mm



#### 升降机型号确定

- 1). 计算总机当量载荷 $W_s$  (取被驱动设备系数为1.3)  
 $W_s = W_{max} \cdot f_1 = 88200 \times 1.3 = 114660N$
- 2). 计算单台当量载荷 $W$

#### Determine Jack type,

- 1) Calculate total equivalent load  $W_s$   
 (Factor for driven machine is 1.3)  
 $W_s = W_{max} \cdot f_1 = 88200 \times 1.3 = 114660N$
- 2) Calculate equivalent load of single jack:

$$W = \frac{114660}{4 \times 0.85} = 33724N$$

- 3). 暂定型号：  
考虑速度、效率、驱动源、载重后暂定选择 JWB050USH (参照基本参数表)
- 4). 行程校核：  
使用行程为260mm，充分考虑余量后选定行程为300mm (参照JWB050US尺寸表)
- 5). 输入功率校核：  
(1)所需输入功率计算：

- 3) Temporarily determine type,  
Temporarily determine JWB050USH according to speed, efficiency, drive and Load (refer to basic parameter table)
- 4) Verify journey:  
Service journey is 260mm, determine journey should be 300 after considering surplus.  
(Please refer to dimension sheet of JWB050US ).
- 5) Check input power:  
(1) Calculate required input power:

$$\begin{aligned} \textcircled{1} n_1 &= \frac{V}{L_1} \times i = \frac{0.60}{0.010} \times 6 = 360 \text{ r/min} & \textcircled{2} T_1 &= \frac{W \times L_1}{2\pi \times i \times \eta} + T_0 & \textcircled{3} P_1 &= \frac{T_1 \times n_1}{9550} \\ & & &= \frac{33724 \times 0.010}{2 \times 3.14 \times 6 \times 0.64} + 1.37 = 15.4 \text{ Nm} & &= \frac{15.4 \times 360}{9550} = 0.58 \text{ kW} \end{aligned}$$

(2)参照基本参数表， $P_{max} = 2.2 \text{ kW} > P_1 \dots \dots \text{OK}$

(2) Refer to basic parameter table,  $P_{max} = 2.2 \text{ kW} > P_1 \dots \dots \text{OK}$

- 6). 丝杆稳定性校核：  
因为施加压缩载荷，根据传动能力表及外形尺寸图得出：

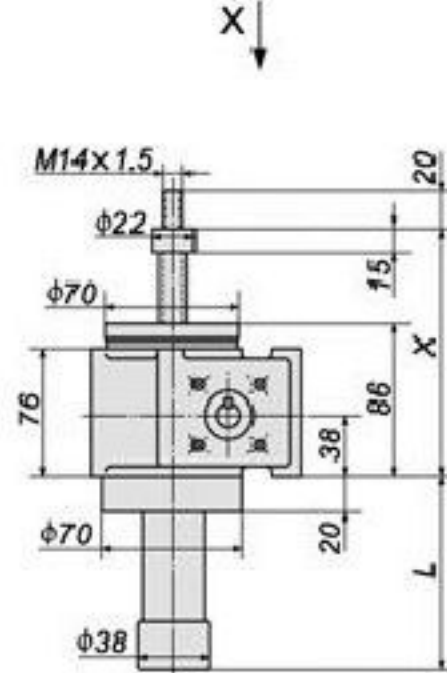
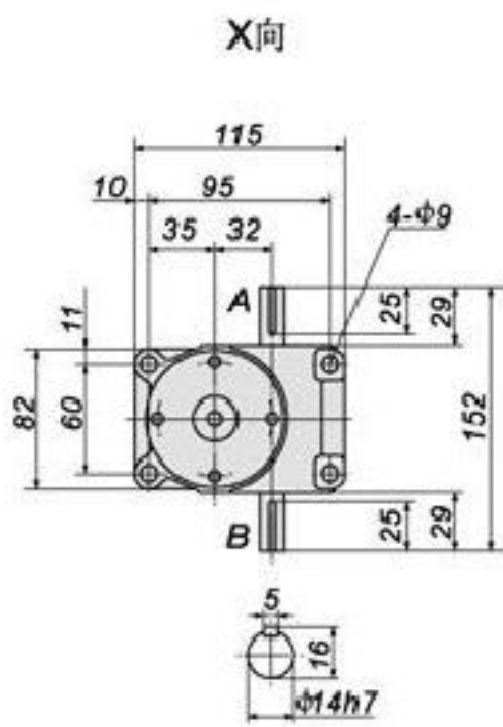
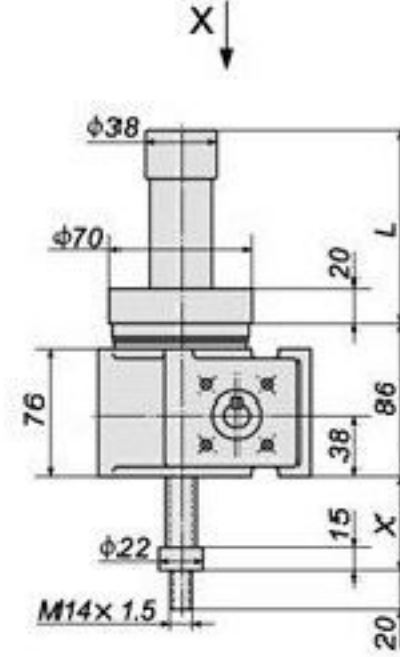
- 6) Verify the stability of screw  
For under axial load, refer to transmission table and dimension for the following figures,

$$d=31.3 \quad L_a=604+33=637 \quad f_m=20 \times 10^4 \quad SF=4$$

$$P_{CR} = f_m \times \left( \frac{d^2}{L_a} \right)^2 = 20 \times 10^4 \times \left( \frac{31.3^2}{637} \right)^2 = 473073N$$

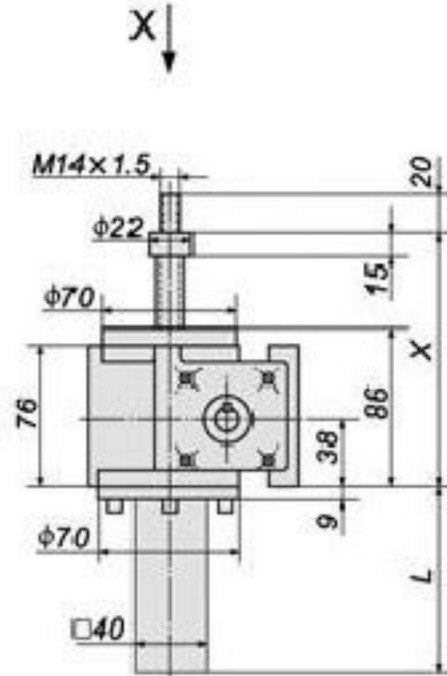
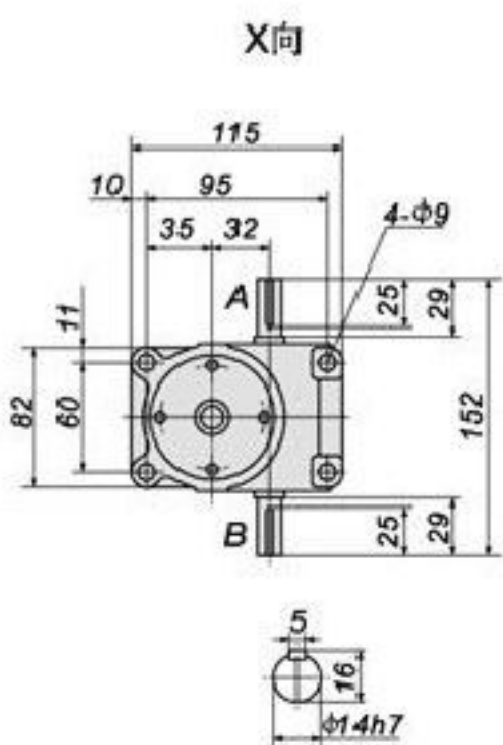
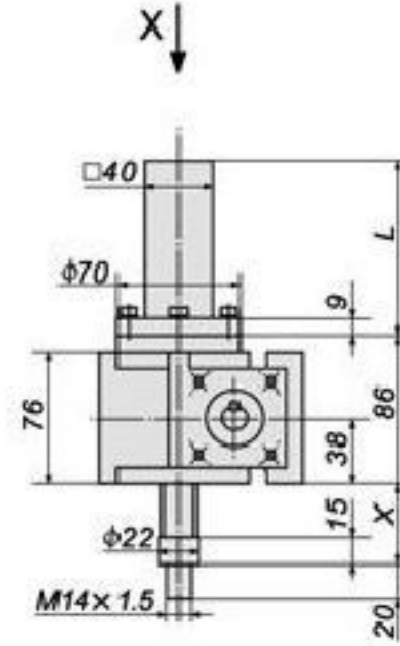
$$P_F = \frac{P_{CR}}{SF} = \frac{473073}{4} = 118268 > W = 33724$$

... ..OK

**JWM010**

**JWM010US**

**JWM010DS**

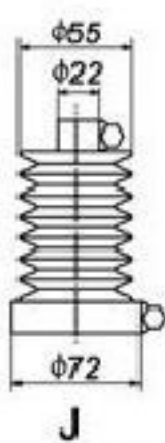
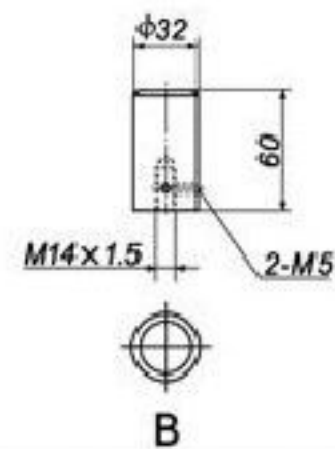
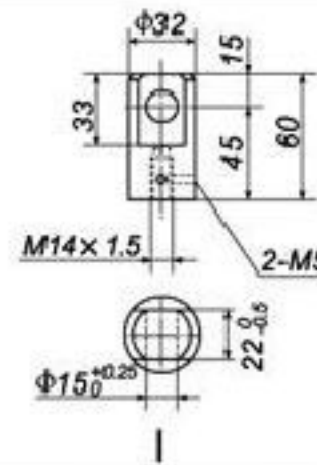
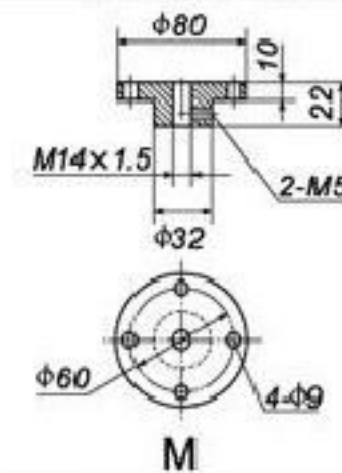
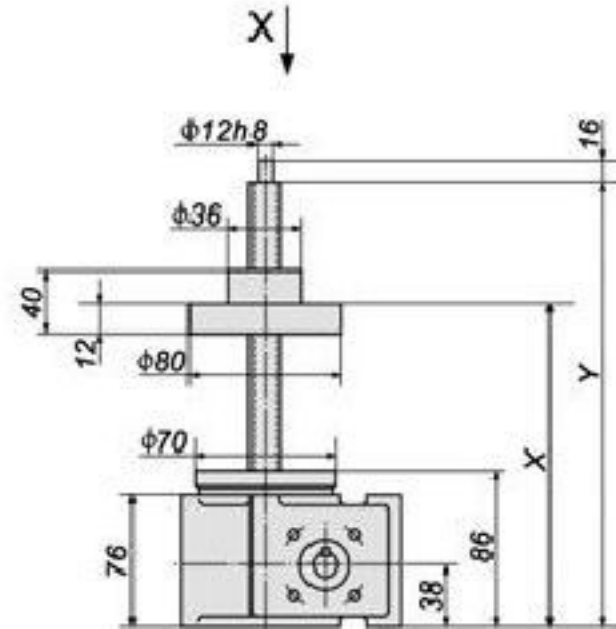
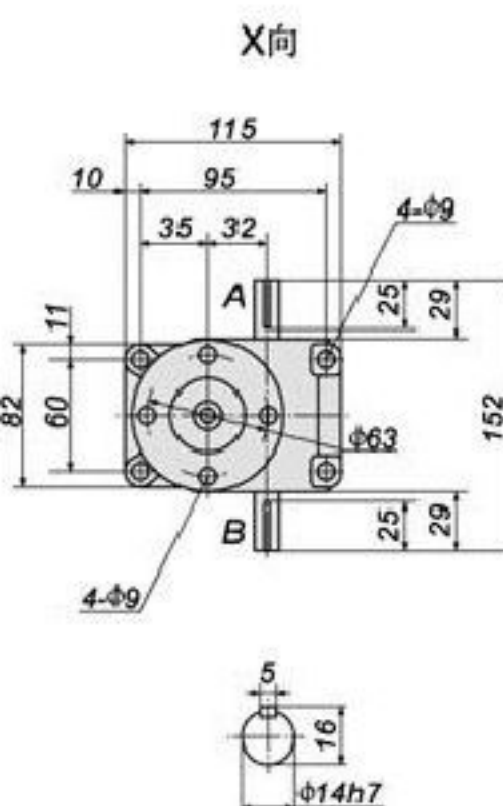
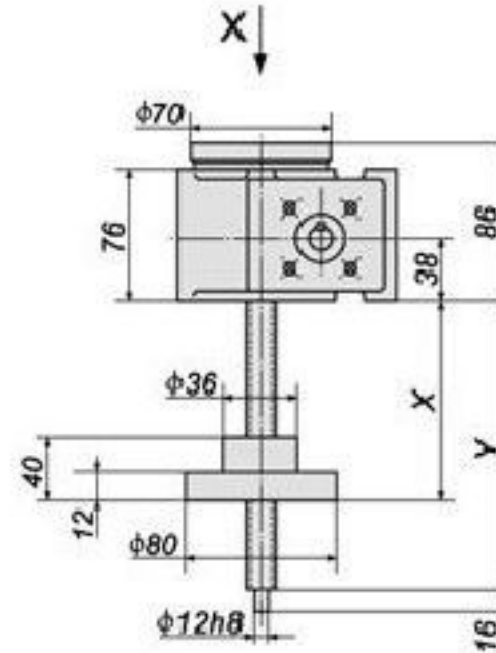
| 行程<br>(mm)<br>Journey | US  |     |                  |      |      |           |
|-----------------------|-----|-----|------------------|------|------|-----------|
|                       | X   |     | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX  |      |           |
| 100                   | 101 | 201 | 161              | 261  | 194  | 5.5       |
| 200                   | 101 | 301 | 161              | 361  | 294  | 5.7       |
| 300                   | 101 | 401 | 201              | 501  | 434  | 6.1       |
| 400                   | 101 | 501 | 201              | 601  | 534  | 6.3       |
| 500                   | 101 | 601 | 236              | 736  | 669  | 6.6       |
| 600                   | 101 | 701 | 236              | 836  | 769  | 6.9       |
| 800                   | 101 | 901 | 271              | 1071 | 1004 | 7.5       |

| 行程<br>(mm)<br>Journey | DS  |     |                  |     |      |           |
|-----------------------|-----|-----|------------------|-----|------|-----------|
|                       | X   |     | X <sup>(1)</sup> |     | L    | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX |      |           |
| 100                   | 25  | 125 | 75               | 175 | 194  | 5.5       |
| 200                   | 25  | 225 | 75               | 275 | 294  | 5.7       |
| 300                   | 25  | 325 | 115              | 415 | 434  | 6.1       |
| 400                   | 25  | 425 | 115              | 515 | 534  | 6.3       |
| 500                   | 25  | 525 | 150              | 650 | 669  | 6.6       |
| 600                   | 25  | 625 | 150              | 750 | 769  | 6.9       |
| 800                   | 25  | 825 | 185              | 985 | 1004 | 7.5       |


**JWM010UM**

**JWM010DM**

| 行程<br>(mm)<br>Journey | UM  |     |                  |      |      |           |
|-----------------------|-----|-----|------------------|------|------|-----------|
|                       | X   |     | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX  |      |           |
| 100                   | 101 | 201 | 161              | 261  | 194  | 6.6       |
| 200                   | 101 | 301 | 161              | 361  | 294  | 7.2       |
| 300                   | 101 | 401 | 201              | 501  | 434  | 8.1       |
| 400                   | 101 | 501 | 201              | 601  | 534  | 8.8       |
| 500                   | 101 | 601 | 236              | 736  | 669  | 9.6       |
| 600                   | 101 | 701 | 236              | 836  | 769  | 11        |
| 800                   | 101 | 901 | 271              | 1071 | 1004 | 12        |

| 行程<br>(mm)<br>Journey | DM  |     |                  |     |      |           |
|-----------------------|-----|-----|------------------|-----|------|-----------|
|                       | X   |     | X <sup>(1)</sup> |     | L    | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX |      |           |
| 100                   | 25  | 125 | 75               | 175 | 194  | 6.6       |
| 200                   | 25  | 225 | 75               | 275 | 294  | 7.2       |
| 300                   | 25  | 325 | 115              | 415 | 434  | 8.1       |
| 400                   | 25  | 425 | 115              | 515 | 534  | 8.8       |
| 500                   | 25  | 525 | 150              | 650 | 669  | 9.6       |
| 600                   | 25  | 625 | 150              | 750 | 769  | 11        |
| 800                   | 25  | 825 | 185              | 985 | 1004 | 12        |


**J**

**B**

**I**

**M**

**JWM010UR**

**JWM010DR**

| 行程<br>(mm)<br>Journey | UR  |     |     |           |  |
|-----------------------|-----|-----|-----|-----------|--|
|                       | X   |     | Y   | m<br>(kg) |  |
|                       | MIN | MAX |     |           |  |
| 100                   | 108 | 208 | 246 | 5.9       |  |
| 200                   | 108 | 308 | 346 | 6.1       |  |
| 300                   | 108 | 408 | 446 | 6.2       |  |
| 400                   | 108 | 508 | 546 | 6.4       |  |
| 500                   | 108 | 608 | 646 | 6.6       |  |
| 600                   | 108 | 708 | 746 | 6.8       |  |
| 800                   | 108 | 908 | 946 | 7.2       |  |

| 行程<br>(mm)<br>Journey | DR  |     |     |           |  |
|-----------------------|-----|-----|-----|-----------|--|
|                       | X   |     | Y   | m<br>(kg) |  |
|                       | MIN | MAX |     |           |  |
| 100                   | 50  | 150 | 160 | 5.9       |  |
| 200                   | 50  | 250 | 260 | 6.1       |  |
| 300                   | 50  | 350 | 360 | 6.2       |  |
| 400                   | 50  | 450 | 460 | 6.4       |  |
| 500                   | 50  | 550 | 560 | 6.6       |  |
| 600                   | 50  | 650 | 660 | 6.8       |  |
| 800                   | 50  | 850 | 860 | 7.2       |  |

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWM025**

X向

X↓

JWM025US

X↓

JWM025DS

| 行程<br>(mm)<br>Journey | U S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 132 | 232  | 147              | 247  | 149  | 7.7       |
| 200                   | 132 | 332  | 147              | 347  | 249  | 8.1       |
| 300                   | 132 | 432  | 167              | 467  | 369  | 8.5       |
| 400                   | 132 | 532  | 167              | 567  | 469  | 8.9       |
| 500                   | 132 | 632  | 187              | 687  | 589  | 9.4       |
| 600                   | 132 | 732  | 187              | 787  | 689  | 9.8       |
| 800                   | 132 | 932  | 207              | 1007 | 909  | 11        |
| 1000                  | 132 | 1132 | 227              | 1227 | 1129 | 12        |

| 行程<br>(mm)<br>Journey | D S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 57               | 157  | 149  | 7.7       |
| 200                   | 42  | 242  | 57               | 257  | 249  | 8.1       |
| 300                   | 42  | 342  | 77               | 377  | 369  | 8.5       |
| 400                   | 42  | 442  | 77               | 477  | 469  | 8.9       |
| 500                   | 42  | 542  | 97               | 597  | 589  | 9.4       |
| 600                   | 42  | 642  | 97               | 697  | 689  | 9.8       |
| 800                   | 42  | 842  | 117              | 917  | 909  | 11        |
| 1000                  | 42  | 1042 | 137              | 1137 | 1129 | 12        |

X向

X↓

JWM025UM

X↓

JWM025DM

| 行程<br>(mm)<br>Journey | U M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 132 | 232  | 147              | 247  | 175  | 10        |
| 200                   | 132 | 332  | 147              | 347  | 275  | 12        |
| 300                   | 132 | 432  | 167              | 467  | 395  | 13        |
| 400                   | 132 | 532  | 167              | 567  | 495  | 14        |
| 500                   | 132 | 632  | 187              | 687  | 615  | 15        |
| 600                   | 132 | 732  | 187              | 787  | 715  | 17        |
| 800                   | 132 | 932  | 207              | 1007 | 935  | 19        |
| 1000                  | 132 | 1132 | 227              | 1227 | 1155 | 21        |

| 行程<br>(mm)<br>Journey | D M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 57               | 157  | 175  | 10        |
| 200                   | 42  | 242  | 57               | 257  | 275  | 12        |
| 300                   | 42  | 342  | 77               | 377  | 395  | 13        |
| 400                   | 42  | 442  | 77               | 477  | 495  | 14        |
| 500                   | 42  | 542  | 97               | 597  | 615  | 15        |
| 600                   | 42  | 642  | 97               | 697  | 715  | 17        |
| 800                   | 42  | 842  | 117              | 917  | 935  | 19        |
| 1000                  | 42  | 1042 | 137              | 1137 | 1155 | 21        |

J

B

I

M

X向

X↓

JWM025UR

X↓

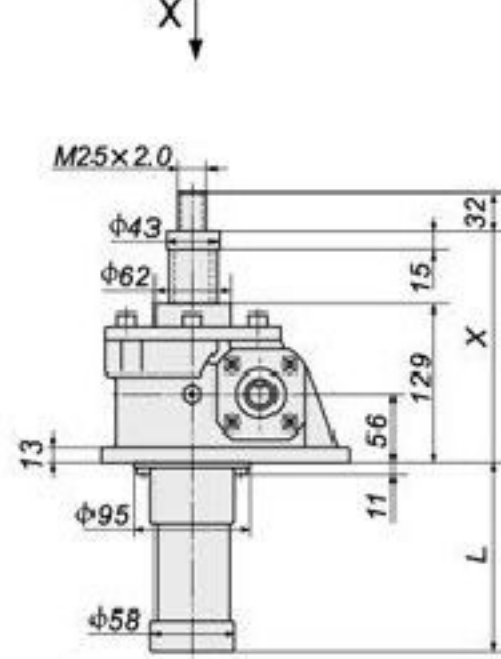
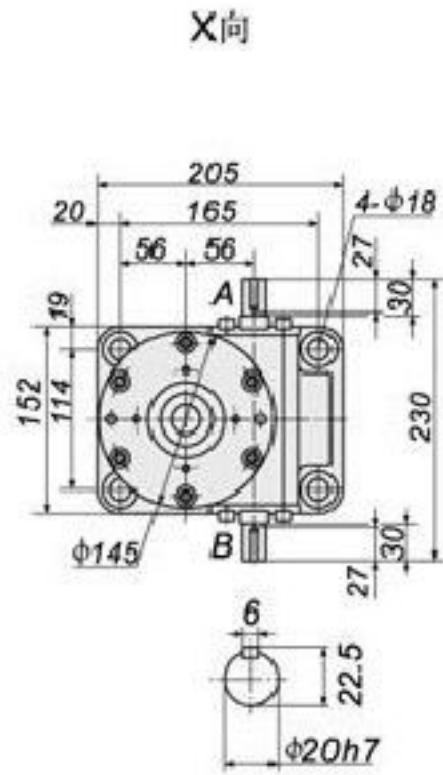
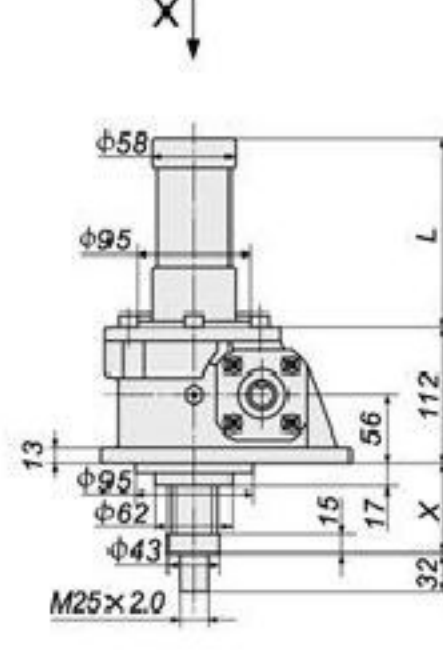
JWM025DR

| 行程<br>(mm)<br>Journey | U R |      |      |  | m<br>(kg) |  |
|-----------------------|-----|------|------|--|-----------|--|
|                       | X   |      | Y    |  |           |  |
|                       | MIN | MAX  |      |  |           |  |
| 100                   | 133 | 233  | 279  |  | 9.2       |  |
| 200                   | 133 | 333  | 379  |  | 9.5       |  |
| 300                   | 133 | 433  | 479  |  | 9.9       |  |
| 400                   | 133 | 533  | 579  |  | 11        |  |
| 500                   | 133 | 633  | 679  |  | 11        |  |
| 600                   | 133 | 733  | 779  |  | 11        |  |
| 800                   | 133 | 933  | 979  |  | 12        |  |
| 1000                  | 133 | 1133 | 1179 |  | 13        |  |

| 行程<br>(mm)<br>Journey | D R |      |      |  | m<br>(kg) |  |
|-----------------------|-----|------|------|--|-----------|--|
|                       | X   |      | Y    |  |           |  |
|                       | MIN | MAX  |      |  |           |  |
| 100                   | 79  | 179  | 189  |  | 9.2       |  |
| 200                   | 79  | 279  | 289  |  | 9.5       |  |
| 300                   | 79  | 379  | 389  |  | 9.9       |  |
| 400                   | 79  | 479  | 489  |  | 11        |  |
| 500                   | 79  | 579  | 589  |  | 11        |  |
| 600                   | 79  | 679  | 689  |  | 11        |  |
| 800                   | 79  | 879  | 889  |  | 12        |  |
| 1000                  | 79  | 1079 | 1089 |  | 13        |  |

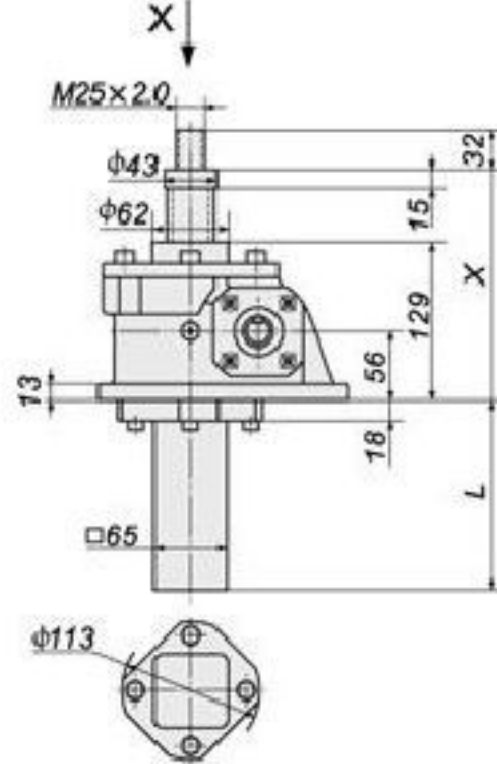
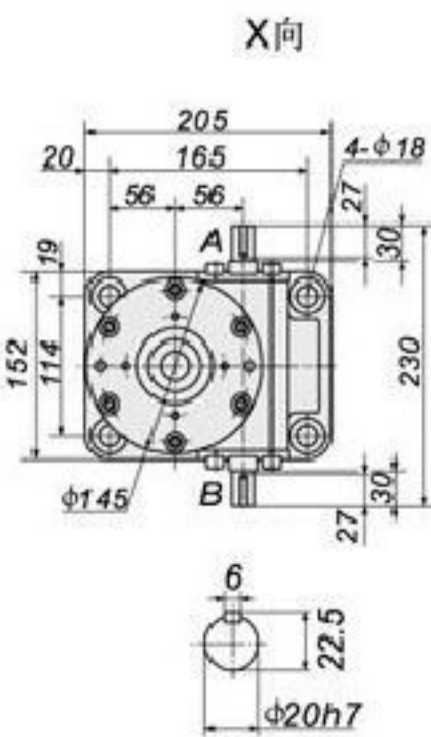
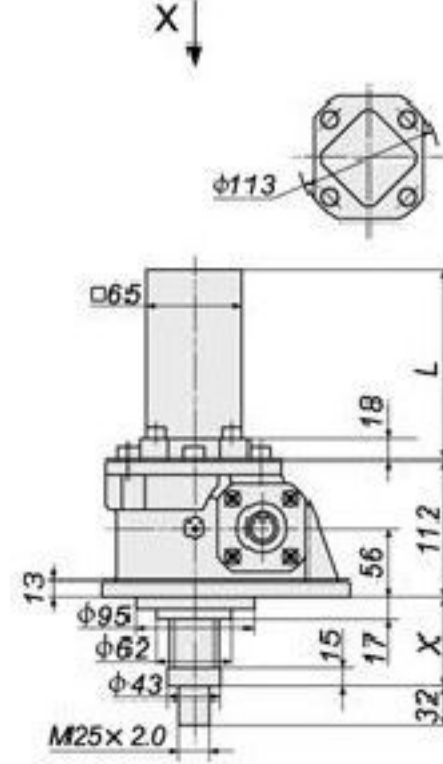
 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWM050**

**JWM050US**

**JWM050DS**

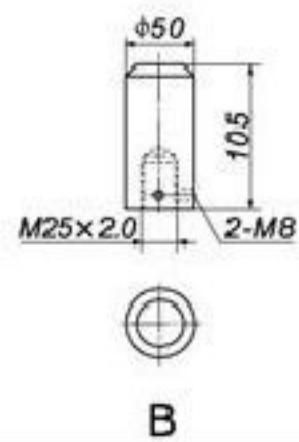
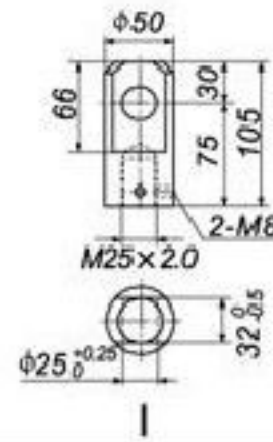
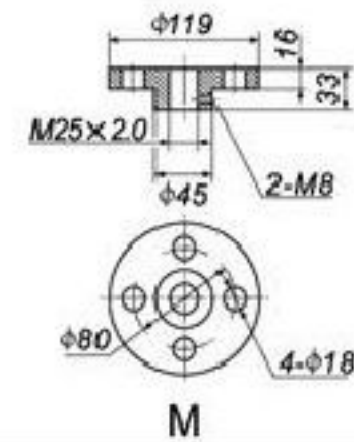
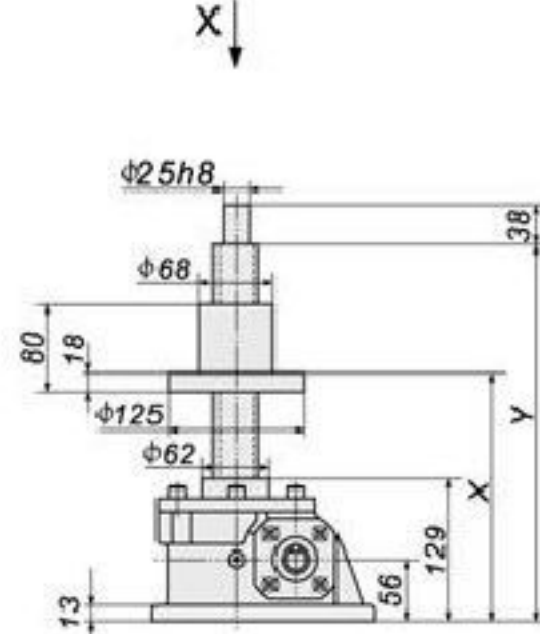
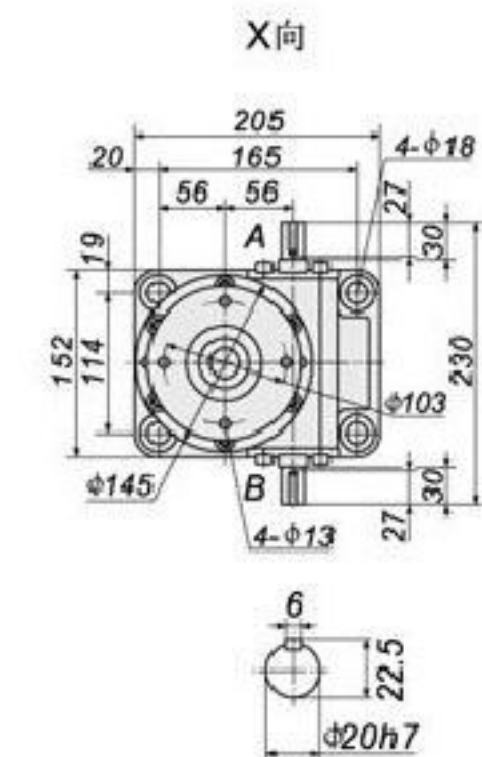
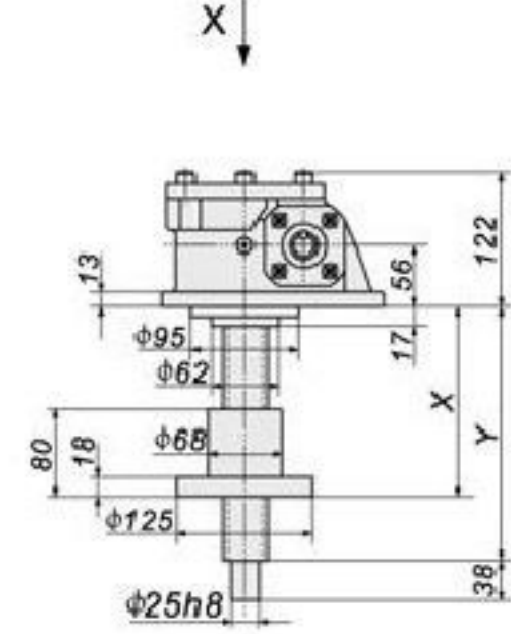
| 行程<br>(mm)<br>Journey | U S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 154 | 254  | 169              | 269  | 147  | 18        |
| 200                   | 154 | 354  | 169              | 369  | 247  | 19        |
| 300                   | 154 | 454  | 189              | 489  | 367  | 20        |
| 400                   | 154 | 554  | 189              | 589  | 467  | 21        |
| 500                   | 154 | 654  | 209              | 709  | 587  | 22        |
| 600                   | 154 | 754  | 209              | 809  | 687  | 23        |
| 800                   | 154 | 954  | 229              | 1029 | 907  | 25        |
| 1000                  | 154 | 1154 | 249              | 1249 | 1127 | 27        |

| 行程<br>(mm)<br>Journey | D S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 57               | 157  | 147  | 18        |
| 200                   | 42  | 242  | 57               | 257  | 247  | 19        |
| 300                   | 42  | 342  | 77               | 377  | 367  | 20        |
| 400                   | 42  | 442  | 77               | 477  | 467  | 21        |
| 500                   | 42  | 542  | 97               | 597  | 587  | 22        |
| 600                   | 42  | 642  | 97               | 697  | 687  | 23        |
| 800                   | 42  | 842  | 117              | 917  | 907  | 25        |
| 1000                  | 42  | 1042 | 137              | 1137 | 1127 | 27        |


**JWM050UM**

**JWM050DM**

| 行程<br>(mm)<br>Journey | U M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 154 | 254  | 169              | 269  | 175  | 22        |
| 200                   | 154 | 354  | 169              | 369  | 275  | 24        |
| 300                   | 154 | 454  | 189              | 489  | 395  | 26        |
| 400                   | 154 | 554  | 189              | 589  | 495  | 28        |
| 500                   | 154 | 654  | 209              | 709  | 615  | 30        |
| 600                   | 154 | 754  | 209              | 809  | 715  | 32        |
| 800                   | 154 | 954  | 229              | 1029 | 935  | 36        |
| 1000                  | 154 | 1154 | 249              | 1249 | 1155 | 40        |

| 行程<br>(mm)<br>Journey | D M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 57               | 157  | 175  | 22        |
| 200                   | 42  | 242  | 57               | 257  | 275  | 24        |
| 300                   | 42  | 342  | 77               | 377  | 395  | 26        |
| 400                   | 42  | 442  | 77               | 477  | 495  | 28        |
| 500                   | 42  | 542  | 97               | 597  | 615  | 30        |
| 600                   | 42  | 642  | 97               | 697  | 715  | 32        |
| 800                   | 42  | 842  | 117              | 917  | 935  | 36        |
| 1000                  | 42  | 1042 | 137              | 1137 | 1155 | 40        |


**J**

**B**

**I**

**M**

**JWM050UR**

**JWM050DR**

| 行程<br>(mm)<br>Journey | U R |      |      |           |
|-----------------------|-----|------|------|-----------|
|                       | X   |      | Y    | m<br>(kg) |
|                       | MIN | MAX  |      |           |
| 100                   | 157 | 257  | 330  | 22        |
| 200                   | 157 | 357  | 430  | 22        |
| 300                   | 157 | 457  | 530  | 23        |
| 400                   | 157 | 557  | 630  | 24        |
| 500                   | 157 | 657  | 730  | 25        |
| 600                   | 157 | 757  | 830  | 26        |
| 800                   | 157 | 957  | 1030 | 27        |
| 1000                  | 157 | 1157 | 1230 | 29        |

| 行程<br>(mm)<br>Journey | D R |      |      |           |
|-----------------------|-----|------|------|-----------|
|                       | X   |      | Y    | m<br>(kg) |
|                       | MIN | MAX  |      |           |
| 100                   | 107 | 207  | 218  | 22        |
| 200                   | 107 | 307  | 318  | 22        |
| 300                   | 107 | 407  | 418  | 23        |
| 400                   | 107 | 507  | 518  | 24        |
| 500                   | 107 | 607  | 618  | 25        |
| 600                   | 107 | 707  | 718  | 26        |
| 800                   | 107 | 907  | 918  | 27        |
| 1000                  | 107 | 1107 | 1118 | 29        |

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWM100**

JWM100US

JWM100DS

| 行程<br>(mm)<br>Journey | U S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 161 | 261  | 171              | 271  | 151  | 27        |
| 200                   | 161 | 361  | 171              | 371  | 252  | 29        |
| 300                   | 161 | 461  | 186              | 486  | 366  | 32        |
| 400                   | 161 | 561  | 186              | 586  | 466  | 34        |
| 500                   | 161 | 661  | 211              | 711  | 591  | 37        |
| 600                   | 161 | 761  | 211              | 811  | 691  | 40        |
| 800                   | 161 | 961  | 226              | 1026 | 906  | 45        |
| 1000                  | 161 | 1161 | 236              | 1236 | 1116 | 50        |
| 1200                  | 161 | 1361 | 261              | 1461 | 1341 | 56        |

| 行程<br>(mm)<br>Journey | D S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 52               | 152  | 151  | 27        |
| 200                   | 42  | 242  | 52               | 252  | 252  | 29        |
| 300                   | 42  | 342  | 67               | 367  | 366  | 32        |
| 400                   | 42  | 442  | 67               | 467  | 466  | 34        |
| 500                   | 42  | 542  | 92               | 592  | 591  | 37        |
| 600                   | 42  | 642  | 92               | 692  | 691  | 40        |
| 800                   | 42  | 842  | 107              | 907  | 906  | 45        |
| 1000                  | 42  | 1042 | 117              | 1117 | 1116 | 50        |
| 1200                  | 42  | 1242 | 142              | 1342 | 1341 | 56        |

JWM100UM

JWM100DM

| 行程<br>(mm)<br>Journey | U M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 194 | 294  | 204              | 304  | 151  | 30        |
| 200                   | 194 | 394  | 204              | 404  | 252  | 32        |
| 300                   | 194 | 494  | 219              | 519  | 366  | 35        |
| 400                   | 194 | 594  | 219              | 619  | 466  | 37        |
| 500                   | 194 | 694  | 244              | 744  | 591  | 40        |
| 600                   | 194 | 794  | 244              | 844  | 691  | 43        |
| 800                   | 194 | 994  | 259              | 1059 | 906  | 48        |
| 1000                  | 194 | 1194 | 269              | 1269 | 1116 | 53        |
| 1200                  | 194 | 1394 | 294              | 1494 | 1341 | 58        |

| 行程<br>(mm)<br>Journey | D M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 52               | 152  | 151  | 30        |
| 200                   | 42  | 242  | 52               | 252  | 252  | 32        |
| 300                   | 42  | 342  | 67               | 367  | 366  | 35        |
| 400                   | 42  | 442  | 67               | 467  | 466  | 37        |
| 500                   | 42  | 542  | 92               | 592  | 591  | 40        |
| 600                   | 42  | 642  | 92               | 692  | 691  | 43        |
| 800                   | 42  | 842  | 107              | 907  | 906  | 48        |
| 1000                  | 42  | 1042 | 117              | 1117 | 1116 | 53        |
| 1200                  | 42  | 1242 | 142              | 1342 | 1341 | 58        |

J

B

I

M

JWM100UR

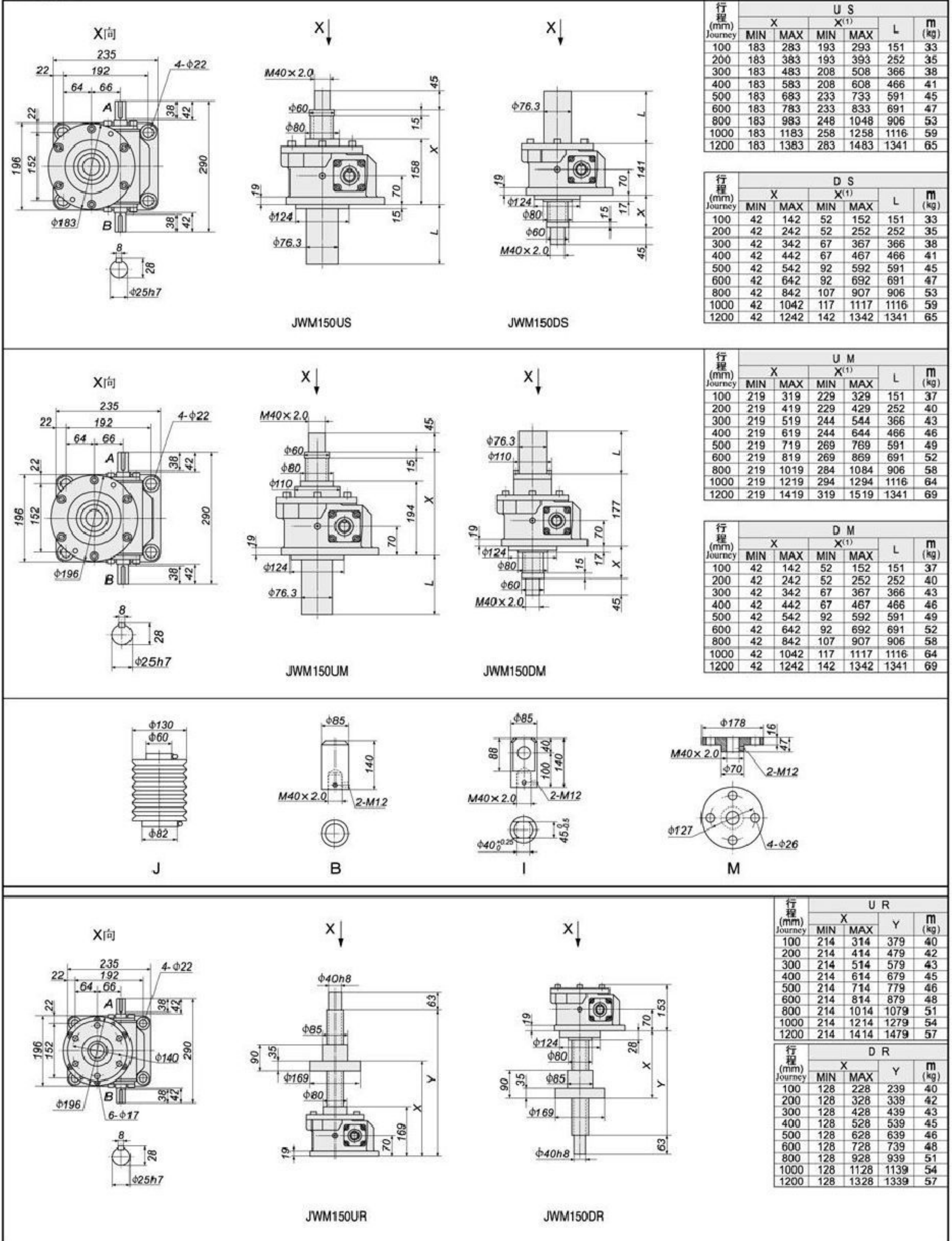
JWM100DR

| 行程<br>(mm)<br>Journey | U R |      |      |  | m<br>(kg) |  |
|-----------------------|-----|------|------|--|-----------|--|
|                       | X   |      | Y    |  |           |  |
|                       | MIN | MAX  |      |  |           |  |
| 100                   | 184 | 284  | 344  |  | 32        |  |
| 200                   | 184 | 384  | 444  |  | 33        |  |
| 300                   | 184 | 484  | 544  |  | 34        |  |
| 400                   | 184 | 584  | 644  |  | 36        |  |
| 500                   | 184 | 684  | 744  |  | 37        |  |
| 600                   | 184 | 784  | 844  |  | 38        |  |
| 800                   | 184 | 984  | 1044 |  | 41        |  |
| 1000                  | 184 | 1184 | 1244 |  | 43        |  |
| 1200                  | 184 | 1384 | 1444 |  | 45        |  |

| 行程<br>(mm)<br>Journey | D R |      |      |  | m<br>(kg) |  |
|-----------------------|-----|------|------|--|-----------|--|
|                       | X   |      | Y    |  |           |  |
|                       | MIN | MAX  |      |  |           |  |
| 100                   | 115 | 215  | 225  |  | 32        |  |
| 200                   | 115 | 315  | 325  |  | 33        |  |
| 300                   | 115 | 415  | 425  |  | 34        |  |
| 400                   | 115 | 515  | 525  |  | 36        |  |
| 500                   | 115 | 615  | 625  |  | 37        |  |
| 600                   | 115 | 715  | 725  |  | 38        |  |
| 800                   | 115 | 915  | 925  |  | 41        |  |
| 1000                  | 115 | 1115 | 1125 |  | 43        |  |
| 1200                  | 115 | 1315 | 1325 |  | 45        |  |

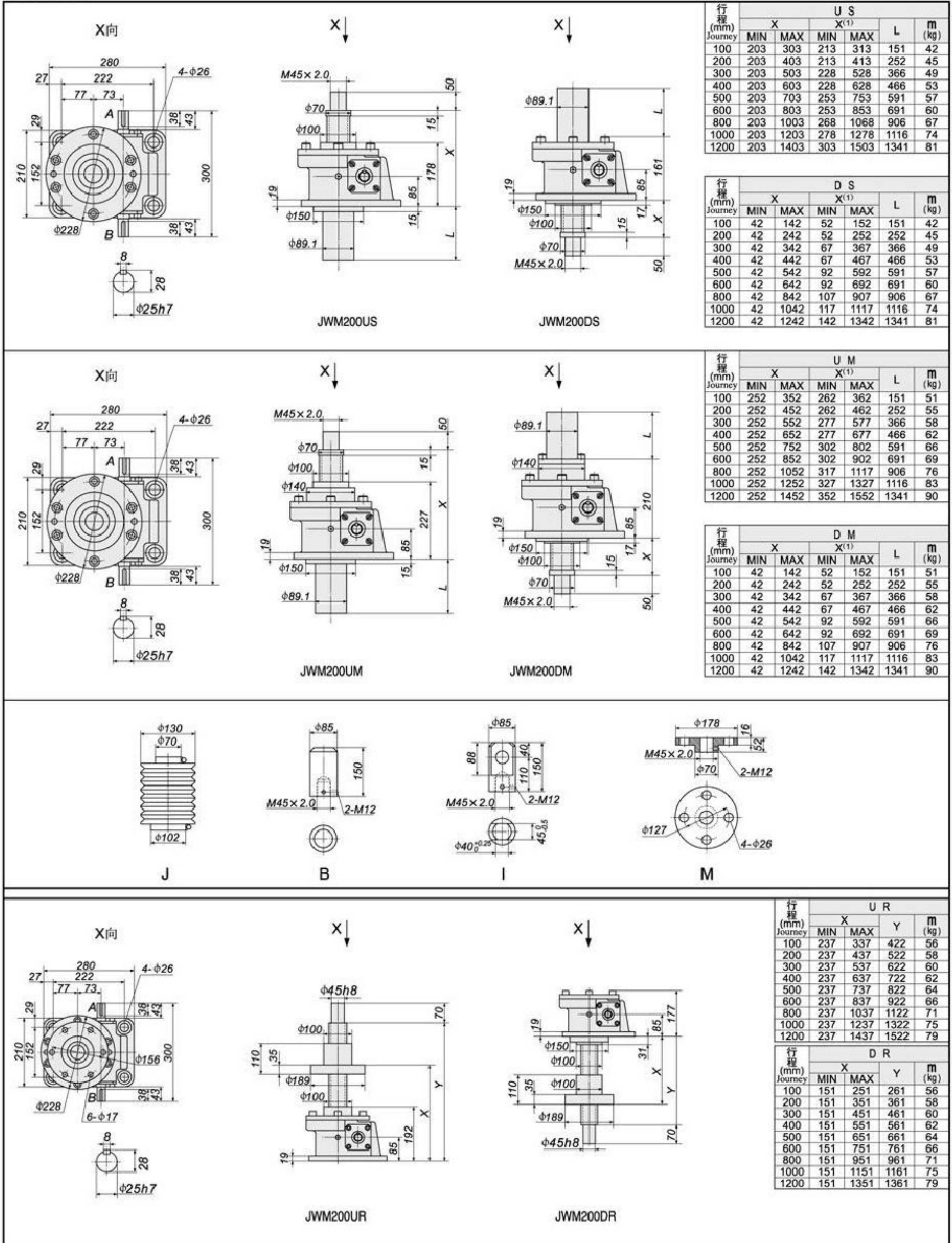
 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWM150**

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

## JWM200

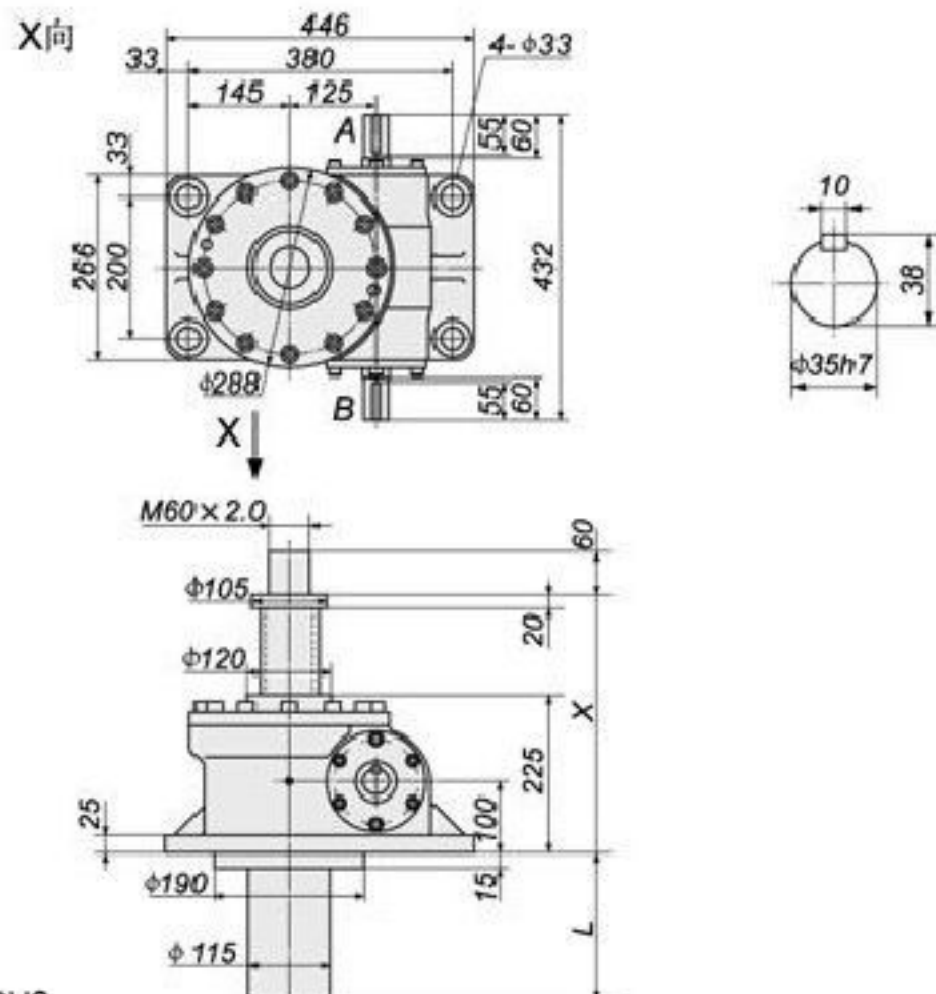


注: X<sup>(1)</sup> 为加防尘罩时尺寸。

Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWM300**

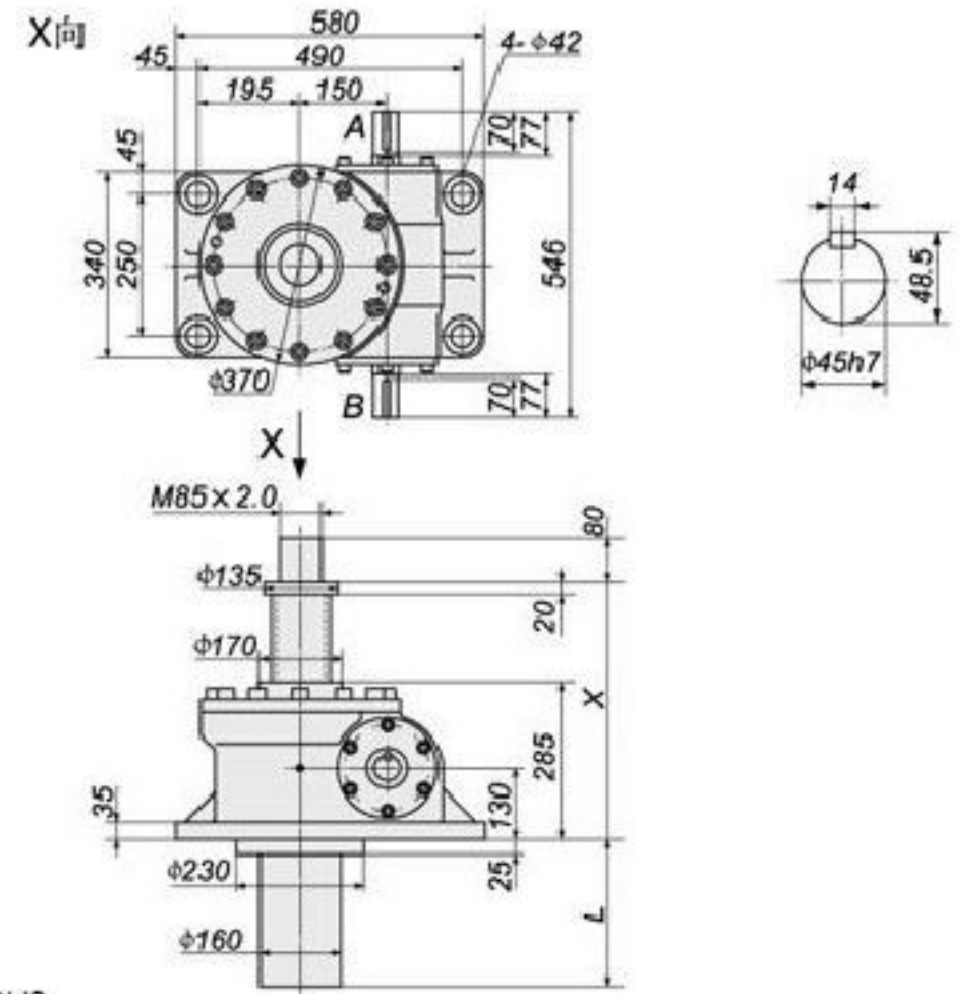
| 行程<br>(mm)<br>Journey | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|-----------------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|                       | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 255 | 355  | 265              | 365  | 160  | 55  | 155  | 65               | 165  | 160  | 118       |
| 200                   | 255 | 455  | 265              | 465  | 260  | 55  | 255  | 65               | 265  | 260  | 123       |
| 300                   | 255 | 555  | 280              | 580  | 375  | 55  | 355  | 80               | 380  | 375  | 128       |
| 400                   | 255 | 655  | 280              | 680  | 475  | 55  | 455  | 80               | 480  | 475  | 134       |
| 500                   | 255 | 755  | 295              | 795  | 590  | 55  | 555  | 95               | 595  | 590  | 139       |
| 600                   | 255 | 855  | 295              | 895  | 690  | 55  | 655  | 95               | 695  | 690  | 145       |
| 800                   | 255 | 1055 | 310              | 1110 | 905  | 55  | 855  | 110              | 910  | 905  | 155       |
| 1000                  | 255 | 1255 | 330              | 1330 | 1125 | 55  | 1055 | 130              | 1130 | 1125 | 167       |
| 1200                  | 255 | 1455 | 340              | 1540 | 1335 | 55  | 1255 | 140              | 1340 | 1335 | 177       |
| 1500                  | 255 | 1755 | 365              | 1865 | 1660 | 55  | 1555 | 165              | 1665 | 1660 | 194       |



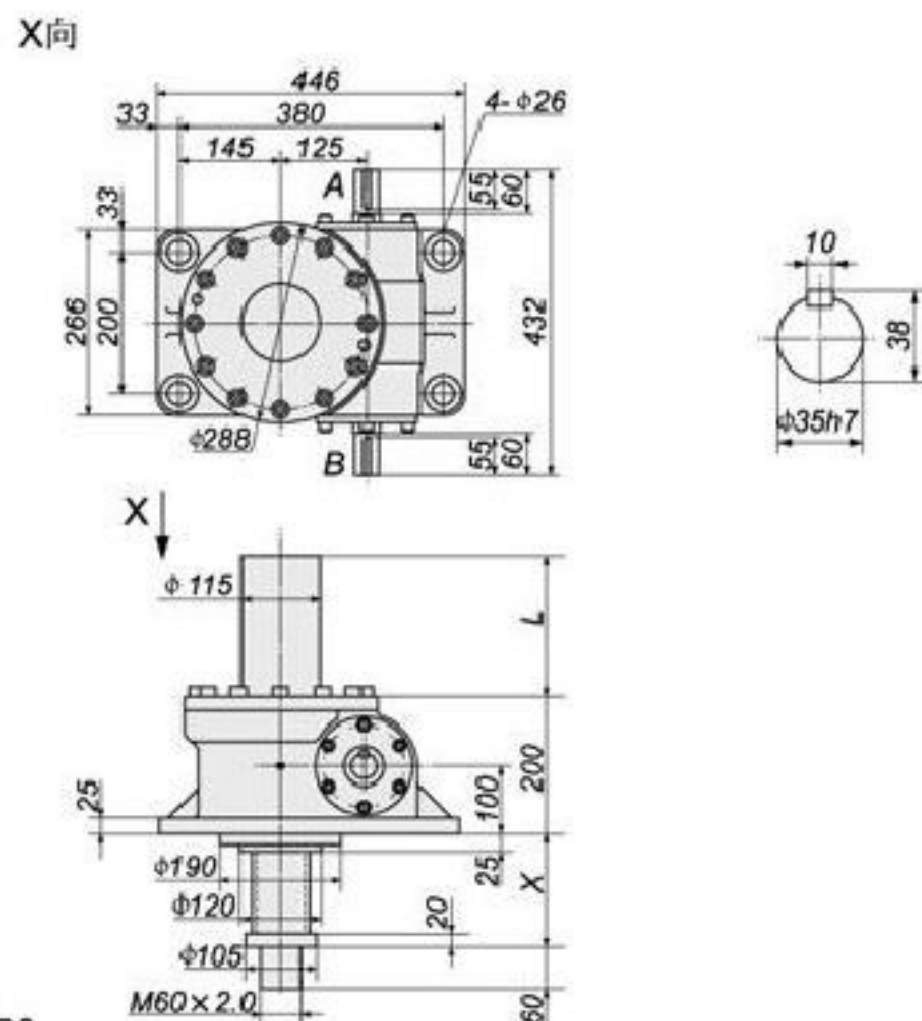
JWM300US

**JWM500**

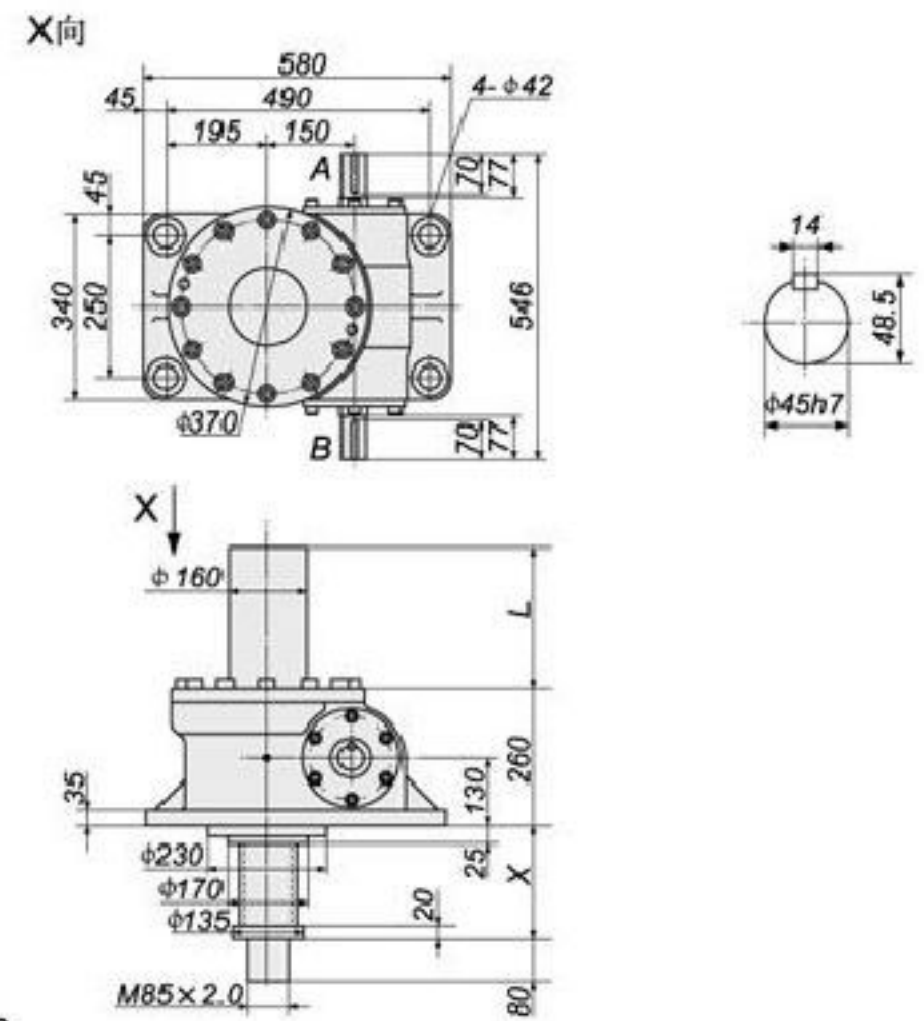
| 行程<br>(mm)<br>Journey | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|-----------------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|                       | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 315 | 415  | 320              | 420  | 165  | 55  | 155  | 60               | 160  | 165  | 248       |
| 200                   | 315 | 515  | 320              | 520  | 265  | 55  | 255  | 60               | 260  | 265  | 260       |
| 300                   | 315 | 615  | 340              | 640  | 385  | 55  | 355  | 80               | 380  | 385  | 273       |
| 400                   | 315 | 715  | 340              | 740  | 485  | 55  | 455  | 80               | 480  | 485  | 284       |
| 500                   | 315 | 815  | 350              | 850  | 395  | 55  | 555  | 90               | 590  | 395  | 297       |
| 600                   | 315 | 915  | 350              | 950  | 695  | 55  | 655  | 90               | 690  | 695  | 308       |
| 800                   | 315 | 1115 | 365              | 1165 | 910  | 55  | 855  | 105              | 905  | 910  | 332       |
| 1000                  | 315 | 1315 | 380              | 1380 | 1125 | 55  | 1055 | 120              | 1120 | 1125 | 357       |
| 1200                  | 315 | 1515 | 390              | 1590 | 1335 | 55  | 1255 | 130              | 1330 | 1335 | 380       |
| 1500                  | 315 | 1815 | 410              | 1910 | 1665 | 55  | 1555 | 150              | 1650 | 1665 | 417       |
| 2000                  | 315 | 2315 | 445              | 2445 | 2190 | 55  | 2055 | 185              | 2185 | 2190 | 477       |



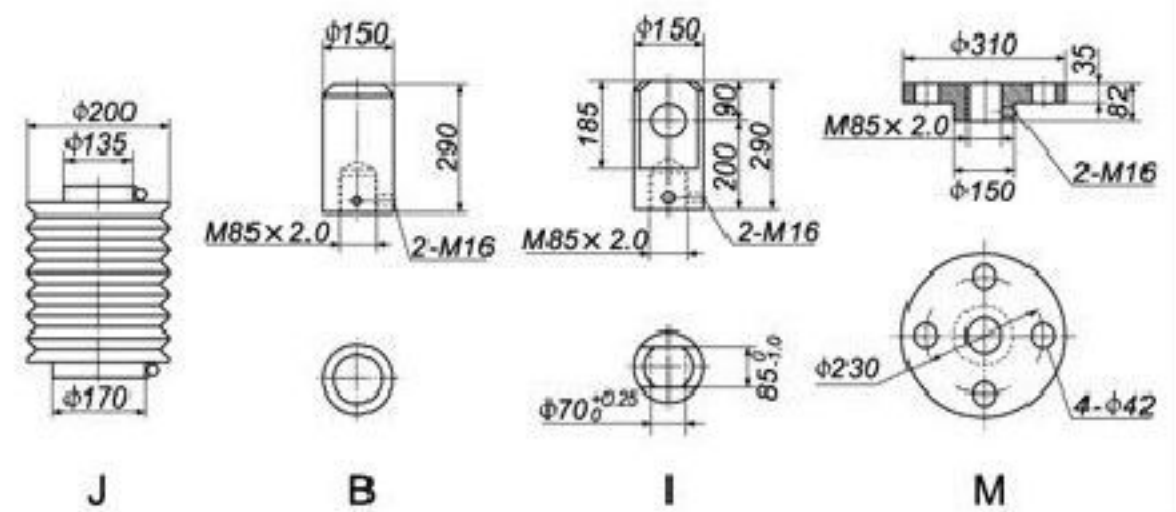
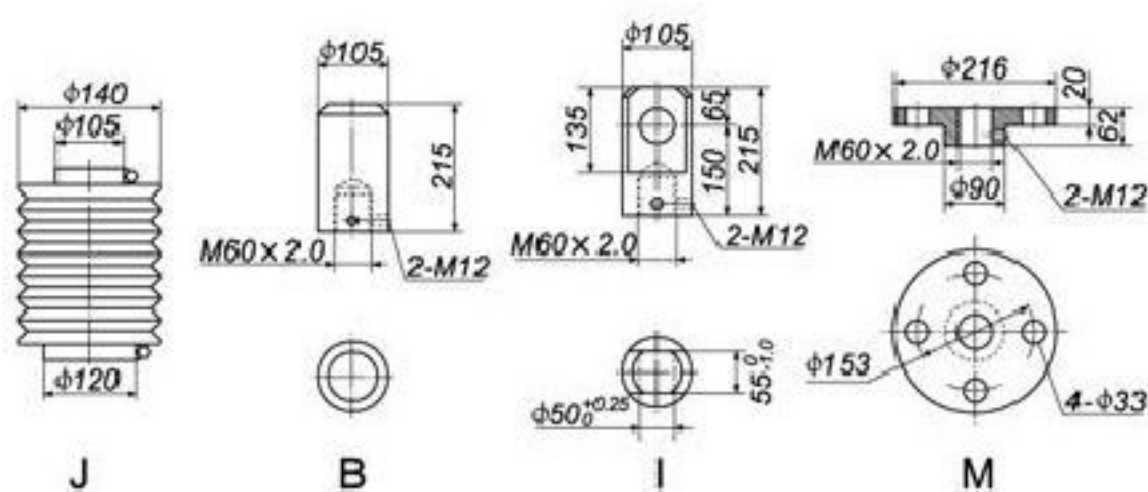
JWM500US



JWM300DS



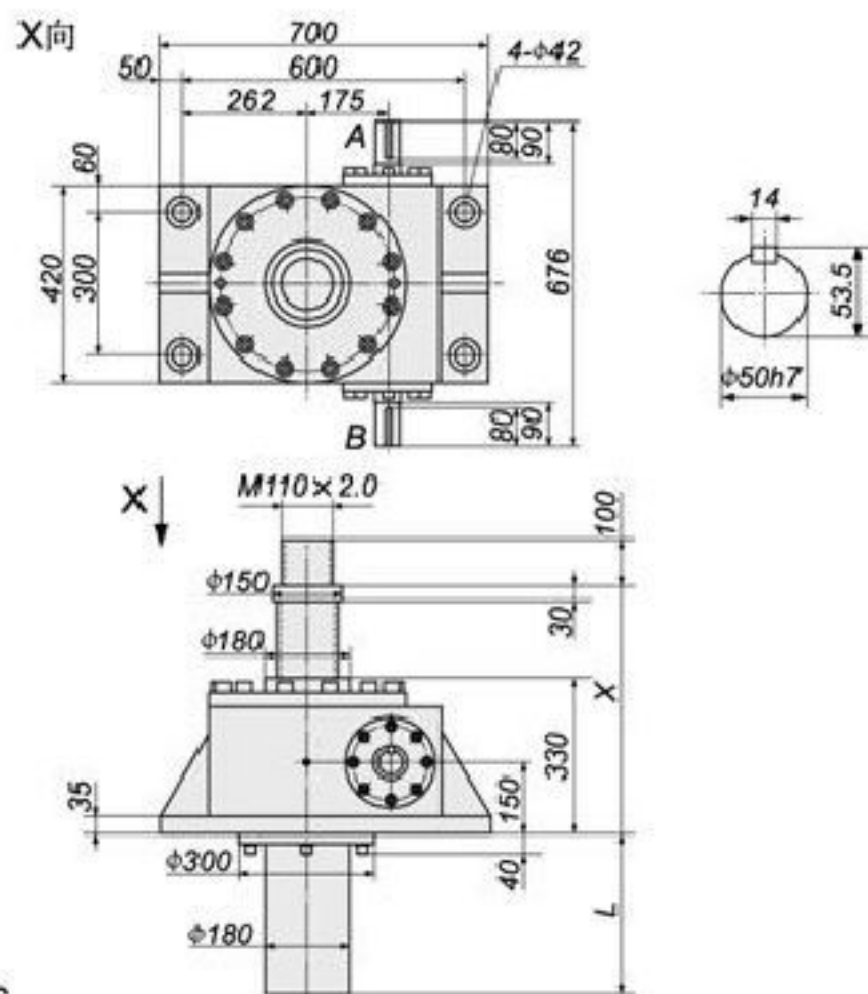
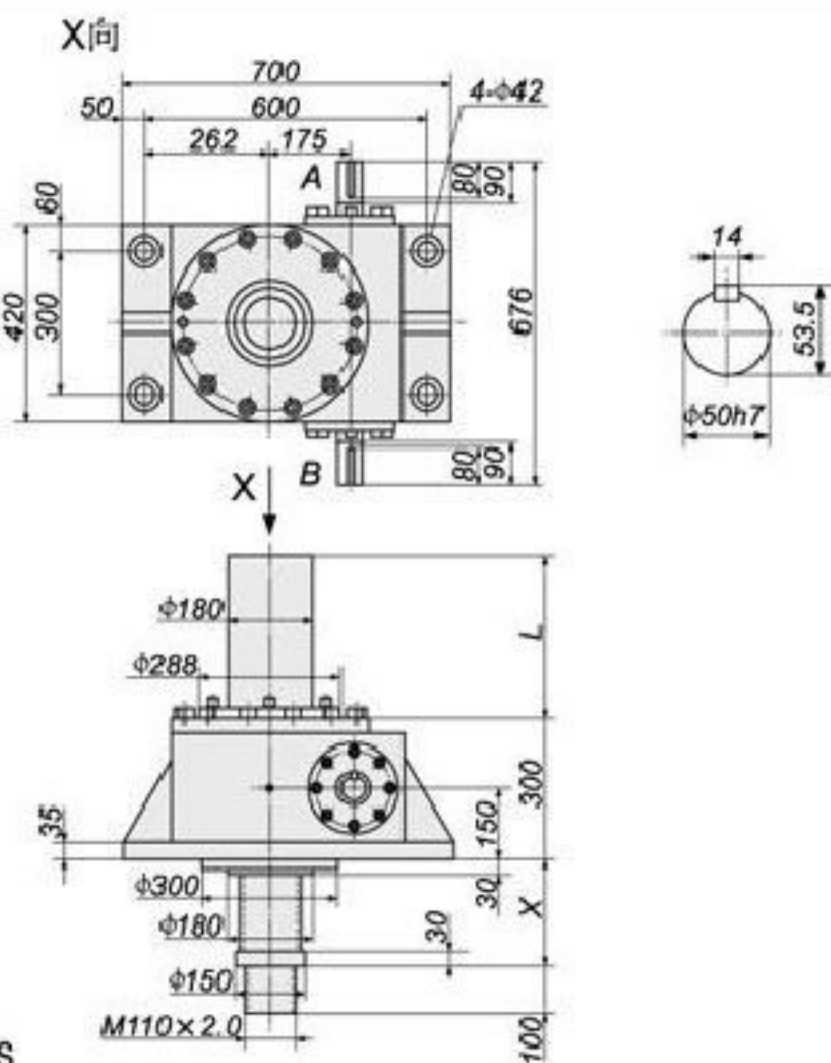
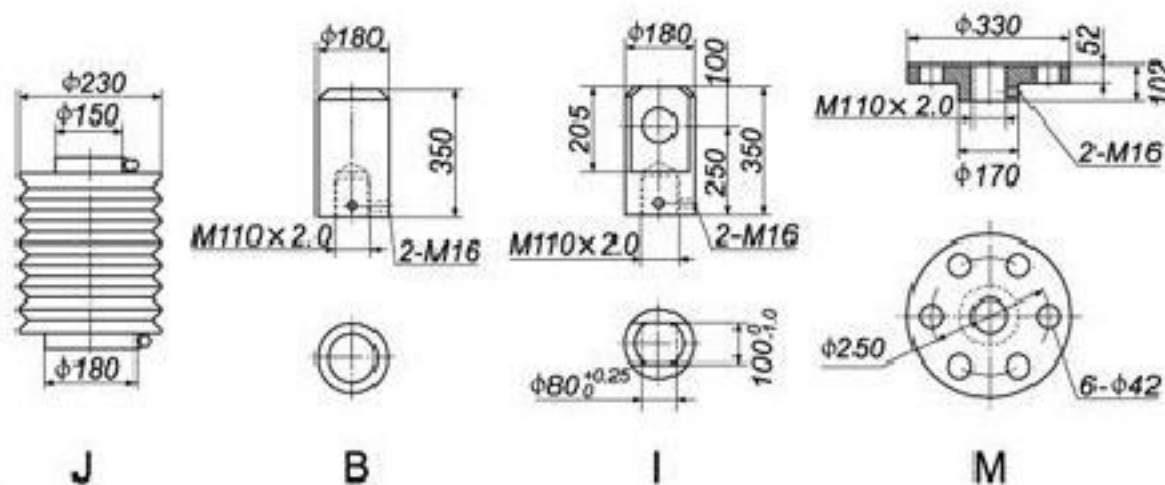
JWM500DS


 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

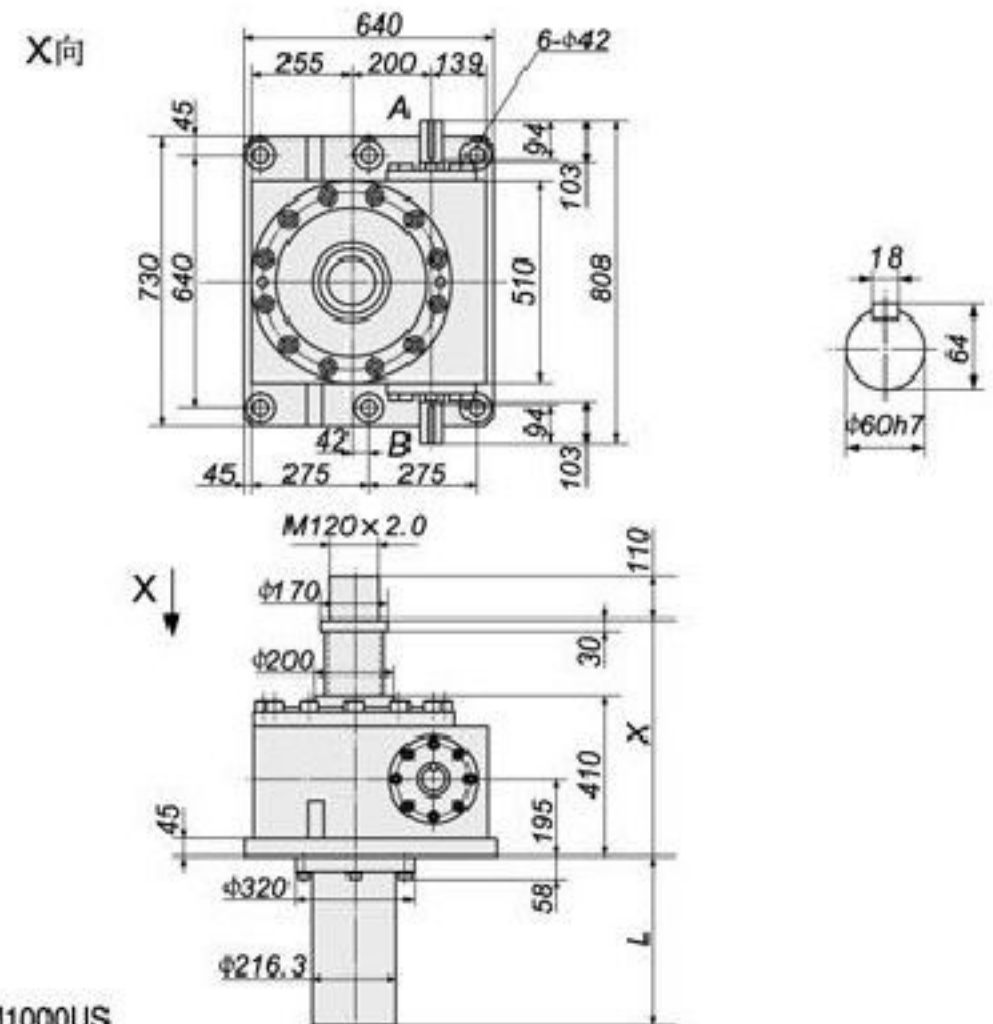
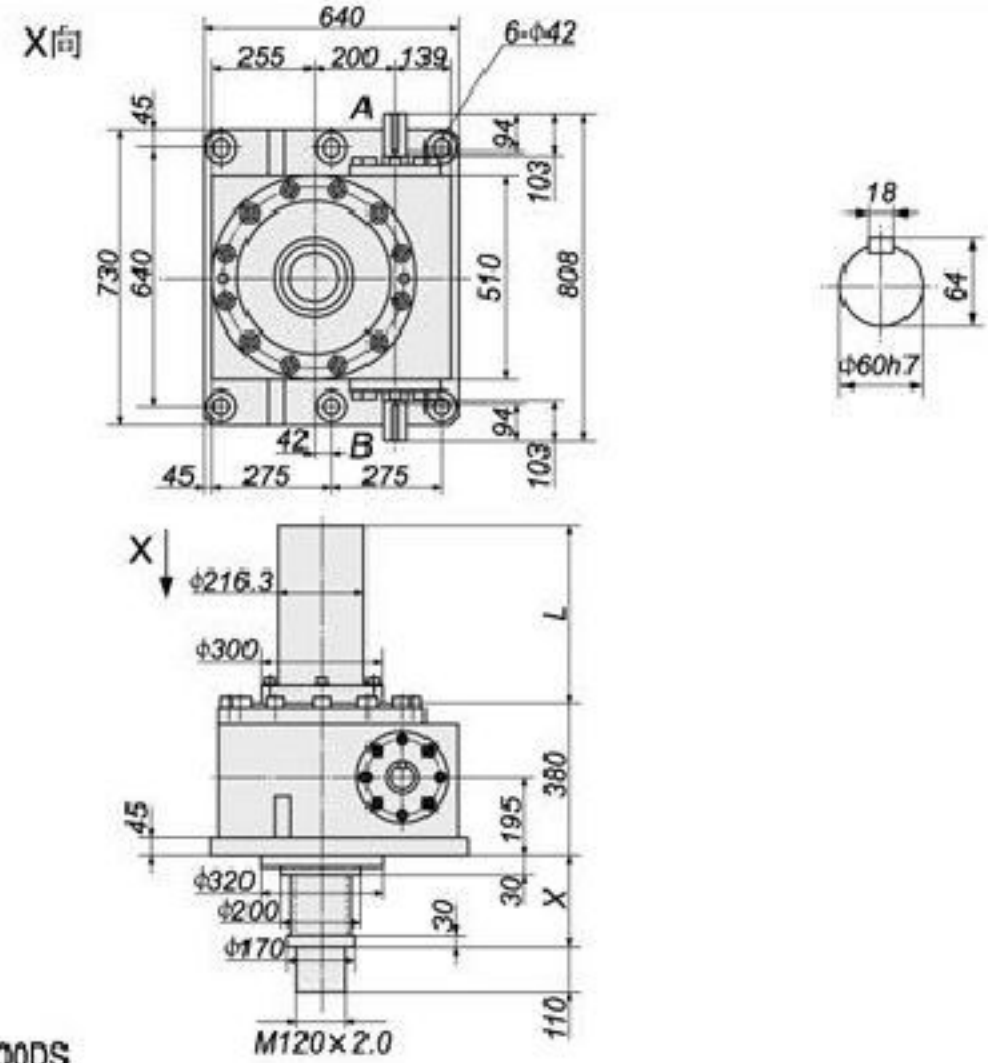
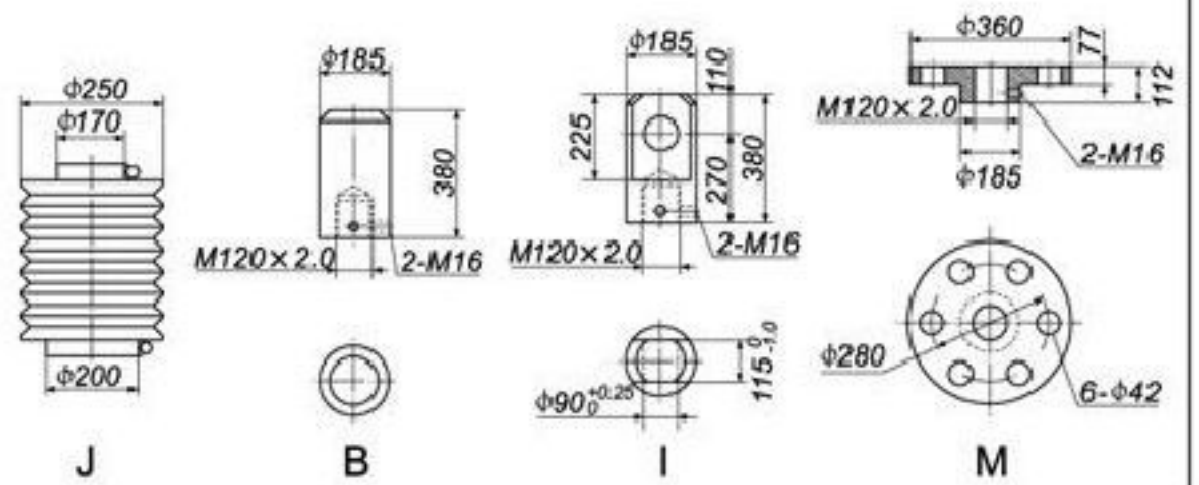
 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWM750**

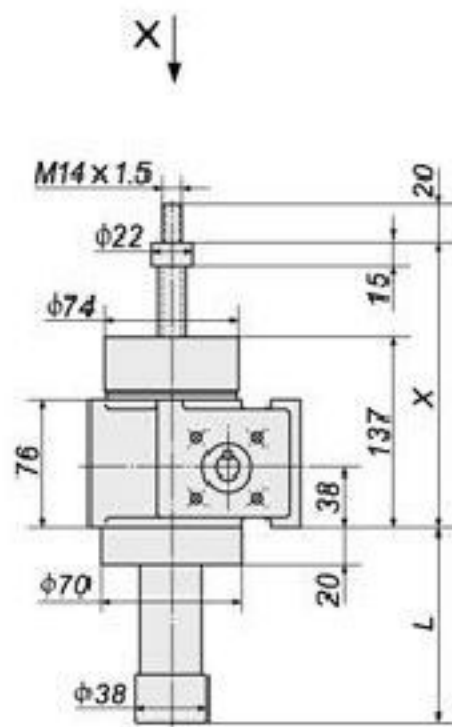
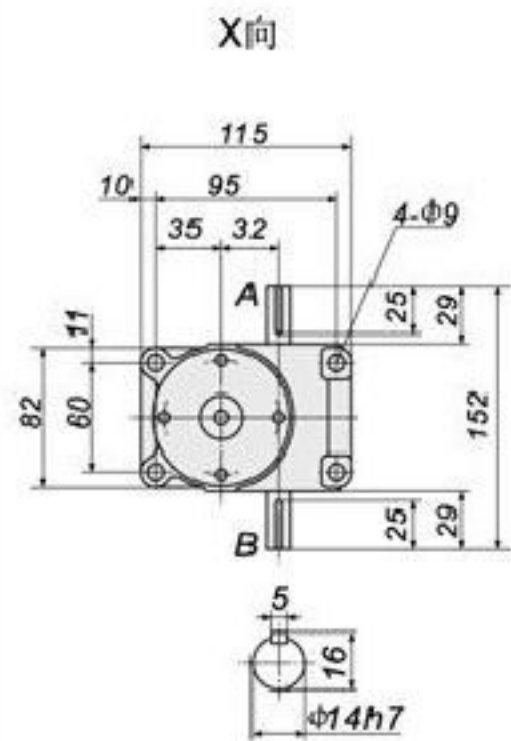
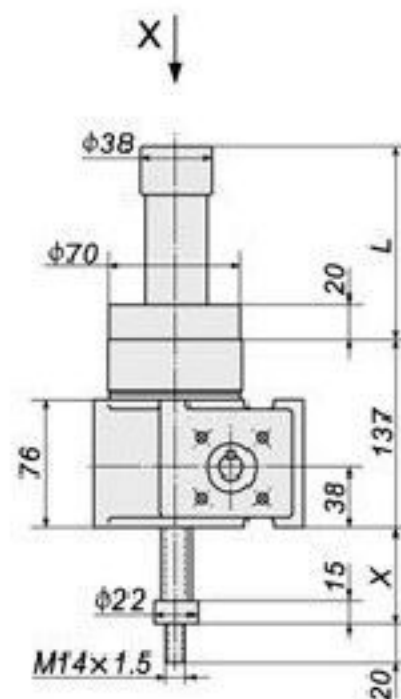
| 行程<br>(mm)<br>Journey | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|-----------------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|                       | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 370 | 470  | 380              | 480  | 165  | 70  | 170  | 80               | 180  | 165  | 370       |
| 200                   | 370 | 570  | 380              | 580  | 265  | 70  | 270  | 80               | 280  | 265  | 384       |
| 300                   | 370 | 670  | 395              | 695  | 385  | 70  | 370  | 95               | 395  | 385  | 401       |
| 400                   | 370 | 770  | 395              | 795  | 485  | 70  | 470  | 95               | 495  | 485  | 415       |
| 500                   | 370 | 870  | 410              | 910  | 595  | 70  | 570  | 110              | 610  | 595  | 431       |
| 600                   | 370 | 970  | 410              | 1010 | 695  | 70  | 670  | 110              | 710  | 695  | 445       |
| 800                   | 370 | 1170 | 425              | 1225 | 910  | 70  | 870  | 125              | 925  | 910  | 476       |
| 1000                  | 370 | 1370 | 435              | 1435 | 1125 | 70  | 1070 | 135              | 1135 | 1125 | 506       |
| 1200                  | 370 | 1570 | 450              | 1650 | 1335 | 70  | 1270 | 150              | 1350 | 1335 | 536       |
| 1500                  | 370 | 1870 | 465              | 1965 | 1665 | 70  | 1570 | 165              | 1665 | 1665 | 581       |
| 2000                  | 370 | 2370 | 500              | 2500 | 2190 | 70  | 2070 | 200              | 2200 | 2190 | 657       |


**JWM750US**

**JWM750DS**

**JWM1000**

| 行程<br>(mm)<br>Journey | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|-----------------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|                       | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 450 | 550  | 460              | 560  | 165  | 70  | 170  | 80               | 180  | 165  | 748       |
| 200                   | 450 | 650  | 460              | 660  | 265  | 70  | 270  | 80               | 280  | 265  | 766       |
| 300                   | 450 | 750  | 475              | 775  | 385  | 70  | 370  | 95               | 395  | 385  | 787       |
| 400                   | 450 | 850  | 475              | 875  | 485  | 70  | 470  | 95               | 495  | 485  | 805       |
| 500                   | 450 | 950  | 485              | 985  | 595  | 70  | 570  | 105              | 605  | 595  | 824       |
| 600                   | 450 | 1050 | 485              | 1085 | 695  | 70  | 670  | 105              | 705  | 695  | 842       |
| 800                   | 450 | 1250 | 500              | 1300 | 910  | 70  | 870  | 120              | 920  | 910  | 881       |
| 1000                  | 450 | 1450 | 510              | 1510 | 1125 | 70  | 1070 | 130              | 1130 | 1125 | 918       |
| 1200                  | 450 | 1650 | 525              | 1725 | 1335 | 70  | 1270 | 145              | 1345 | 1335 | 957       |
| 1500                  | 450 | 1950 | 545              | 2045 | 1665 | 70  | 1570 | 165              | 1665 | 1665 | 1014      |
| 2000                  | 450 | 2450 | 575              | 2575 | 2190 | 70  | 2070 | 195              | 2195 | 2190 | 1109      |

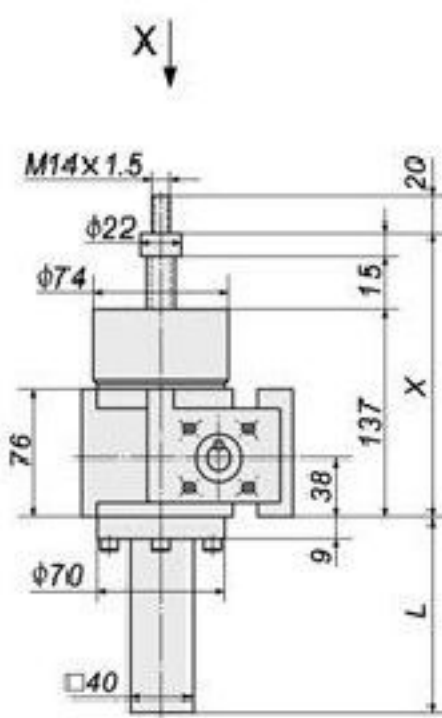
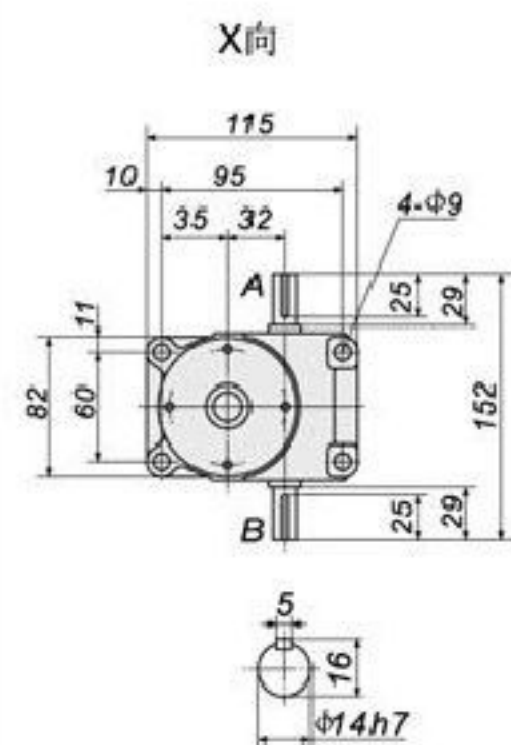
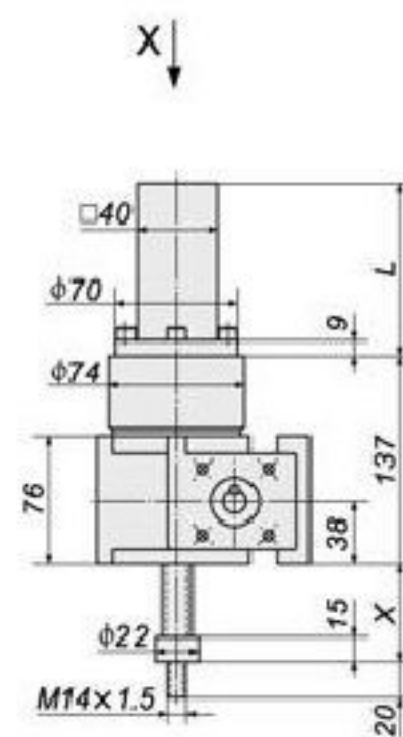

**JWM1000US**

**JWM1000DS**

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

**JWB010**

**JWB010US**

**JWB010DS**

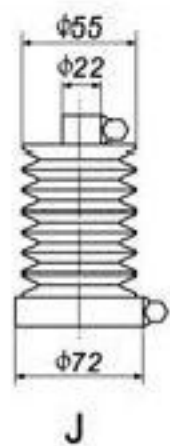
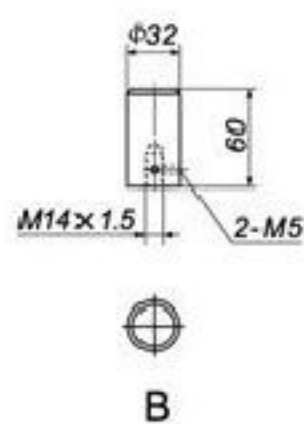
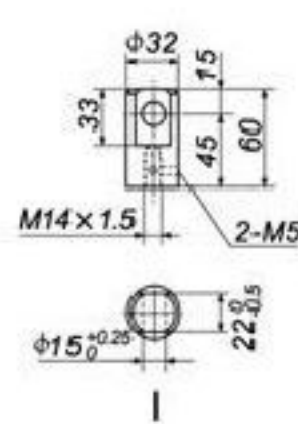
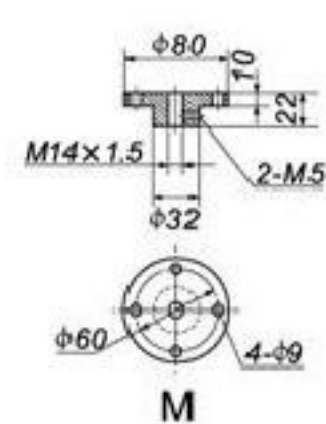
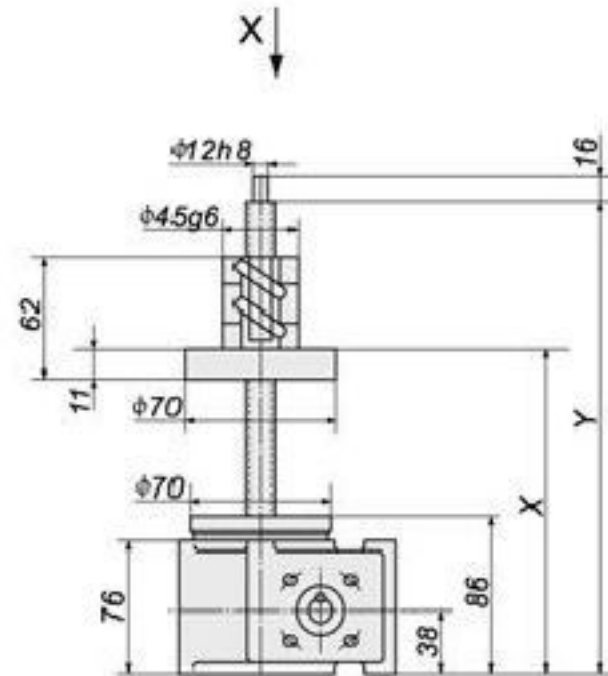
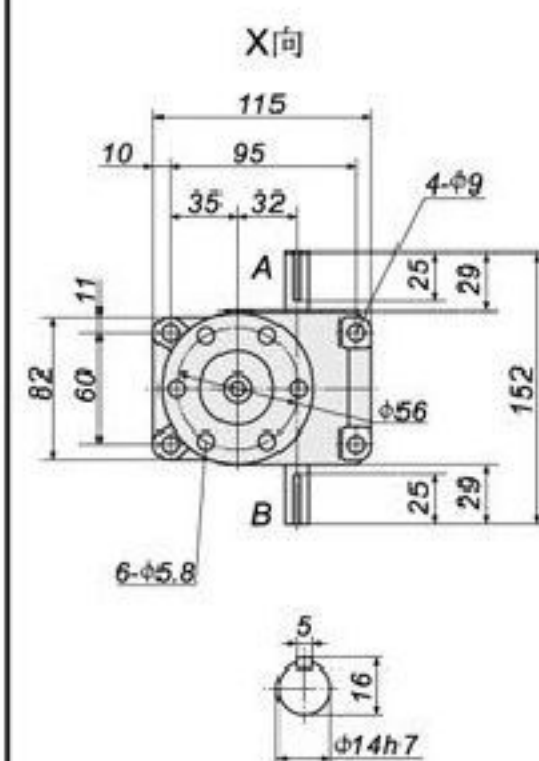
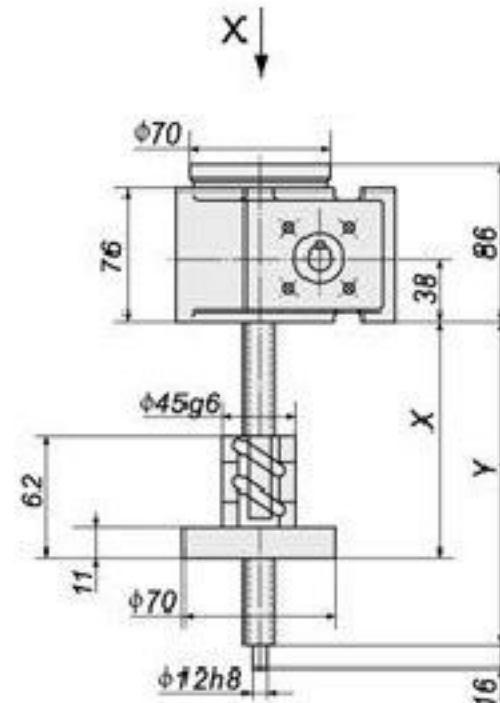
| 行程<br>(mm)<br>Journey | U S |     |                  |     |     |           |
|-----------------------|-----|-----|------------------|-----|-----|-----------|
|                       | X   |     | X <sup>(1)</sup> |     | L   | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX |     |           |
| 100                   | 162 | 262 | 212              | 312 | 194 | 6.7       |
| 200                   | 162 | 362 | 212              | 412 | 294 | 7.0       |
| 300                   | 162 | 462 | 252              | 552 | 434 | 7.4       |
| 400                   | 162 | 562 | 252              | 652 | 534 | 7.6       |
| 500                   | 162 | 662 | 287              | 787 | 669 | 8.0       |
| 600                   | 162 | 762 | 287              | 887 | 769 | 8.2       |

| 行程<br>(mm)<br>Journey | D S |     |                  |     |     |           |
|-----------------------|-----|-----|------------------|-----|-----|-----------|
|                       | X   |     | X <sup>(1)</sup> |     | L   | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX |     |           |
| 100                   | 25  | 125 | 75               | 175 | 194 | 6.7       |
| 200                   | 25  | 225 | 75               | 275 | 294 | 7.0       |
| 300                   | 25  | 325 | 115              | 415 | 434 | 7.4       |
| 400                   | 25  | 425 | 115              | 515 | 534 | 7.6       |
| 500                   | 25  | 525 | 150              | 650 | 669 | 8.0       |
| 600                   | 25  | 625 | 150              | 750 | 769 | 8.2       |


**JWB010UM**

**JWB010DM**

| 行程<br>(mm)<br>Journey | U M |     |                  |     |     |           |
|-----------------------|-----|-----|------------------|-----|-----|-----------|
|                       | X   |     | X <sup>(1)</sup> |     | L   | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX |     |           |
| 100                   | 162 | 262 | 212              | 312 | 194 | 7.5       |
| 200                   | 162 | 362 | 212              | 412 | 294 | 8.2       |
| 300                   | 162 | 462 | 252              | 552 | 434 | 9.1       |
| 400                   | 162 | 562 | 252              | 652 | 534 | 9.8       |
| 500                   | 162 | 662 | 287              | 787 | 669 | 11        |
| 600                   | 162 | 762 | 287              | 887 | 769 | 12        |

| 行程<br>(mm)<br>Journey | D M |     |                  |     |     |           |
|-----------------------|-----|-----|------------------|-----|-----|-----------|
|                       | X   |     | X <sup>(1)</sup> |     | L   | m<br>(kg) |
|                       | MIN | MAX | MIN              | MAX |     |           |
| 100                   | 25  | 125 | 75               | 175 | 194 | 7.5       |
| 200                   | 25  | 225 | 75               | 275 | 294 | 8.2       |
| 300                   | 25  | 325 | 115              | 415 | 434 | 9.1       |
| 400                   | 25  | 425 | 115              | 515 | 534 | 9.8       |
| 500                   | 25  | 525 | 150              | 650 | 669 | 11        |
| 600                   | 25  | 625 | 150              | 750 | 769 | 12        |


**J**

**B**

**I**

**M**

**JWB010UR**

**JWB010DR**

| 行程<br>(mm)<br>Journey | U R |     |     |           |
|-----------------------|-----|-----|-----|-----------|
|                       | X   |     | Y   | m<br>(kg) |
|                       | MIN | MAX |     |           |
| 100                   | 108 | 208 | 265 | 5.9       |
| 200                   | 108 | 308 | 365 | 6.1       |
| 300                   | 108 | 408 | 465 | 6.4       |
| 400                   | 108 | 508 | 565 | 6.6       |
| 500                   | 108 | 608 | 665 | 6.8       |
| 600                   | 108 | 708 | 765 | 7.0       |

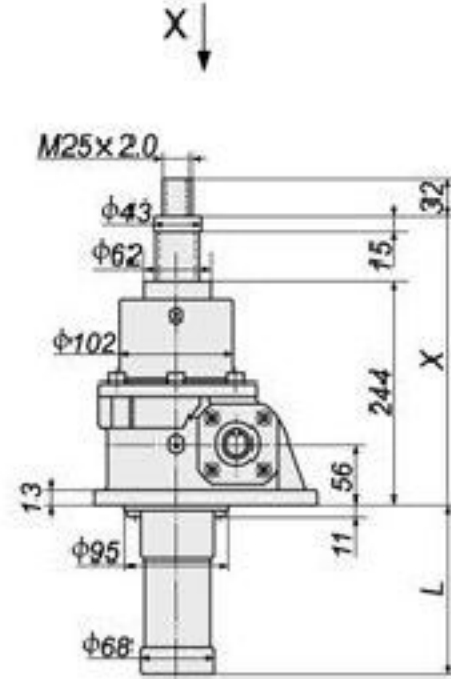
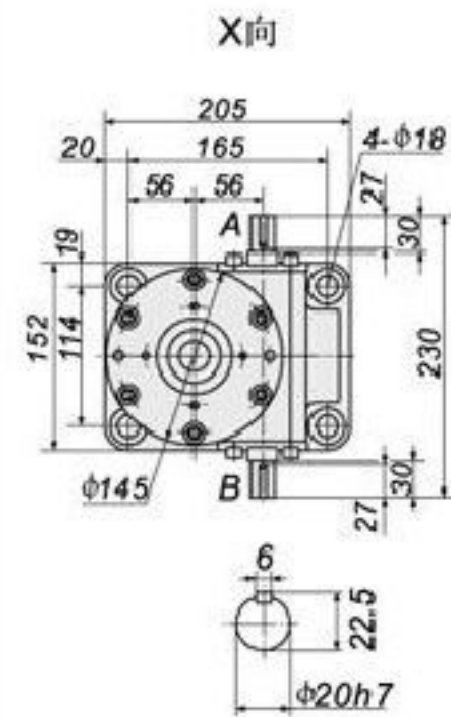
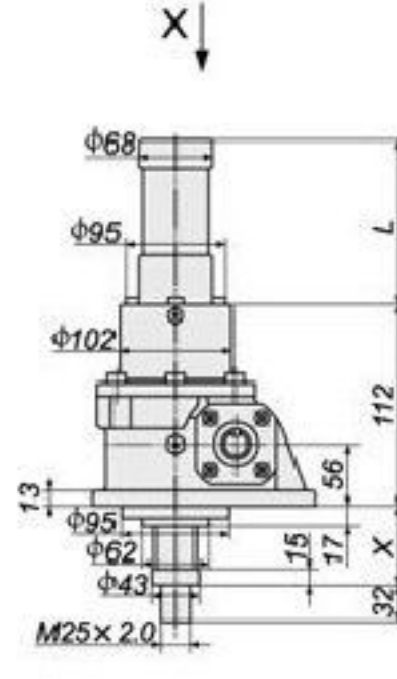
| 行程<br>(mm)<br>Journey | D R |     |     |           |
|-----------------------|-----|-----|-----|-----------|
|                       | X   |     | Y   | m<br>(kg) |
|                       | MIN | MAX |     |           |
| 100                   | 69  | 169 | 179 | 5.9       |
| 200                   | 69  | 269 | 279 | 6.1       |
| 300                   | 69  | 369 | 379 | 6.4       |
| 400                   | 69  | 469 | 479 | 6.6       |
| 500                   | 69  | 569 | 579 | 6.8       |
| 600                   | 69  | 669 | 679 | 7.0       |

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

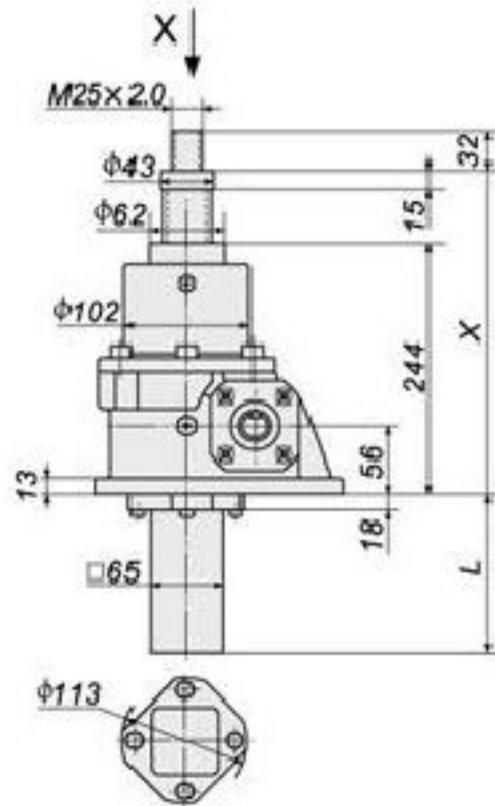
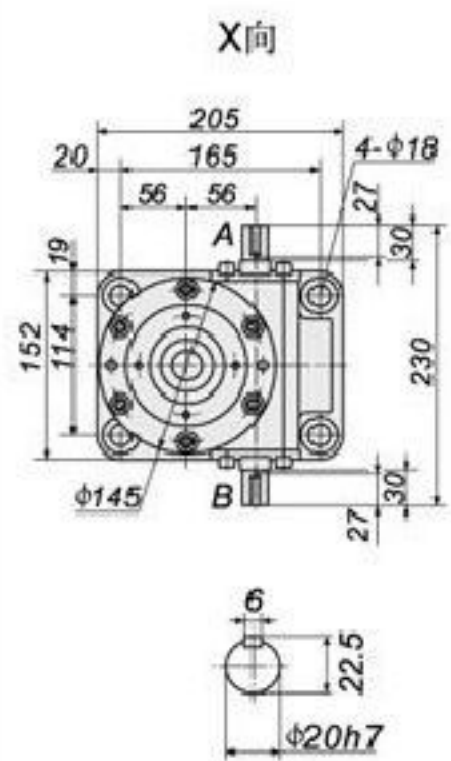
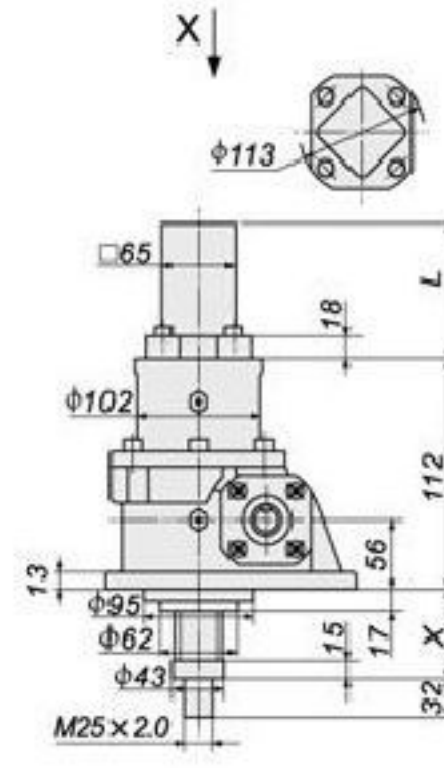
**JWB025**
 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWB050**

**JWB050US**

**JWB050DS**

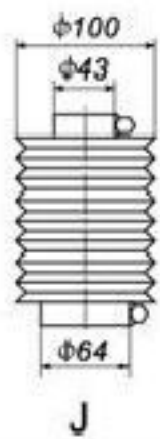
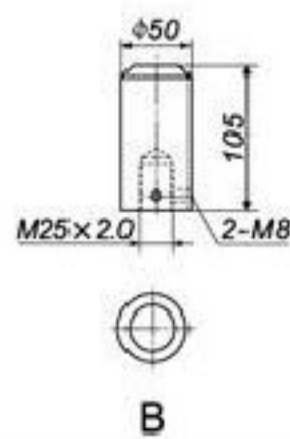
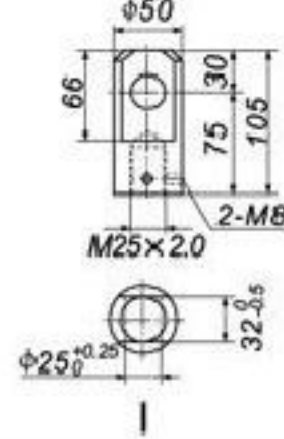
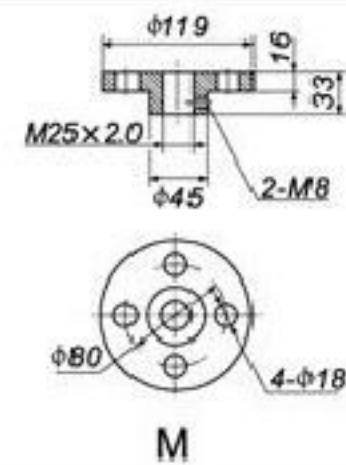
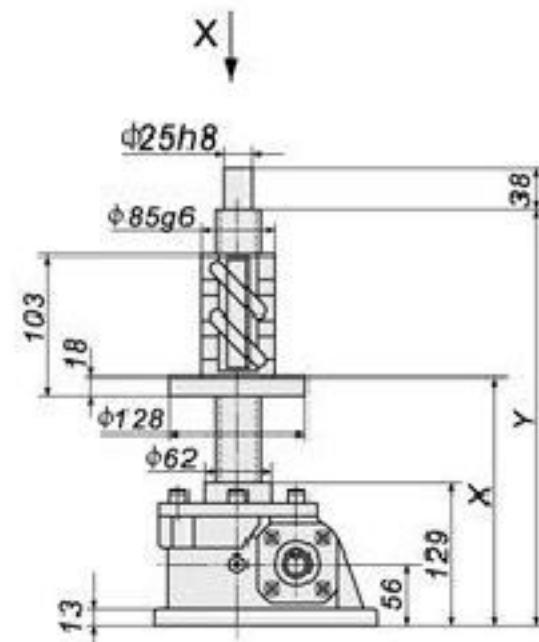
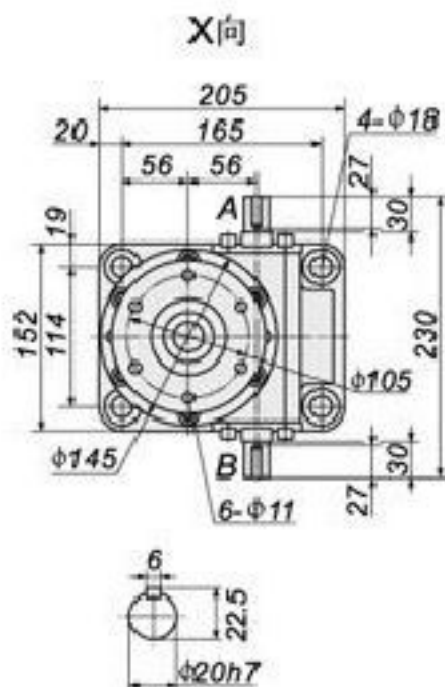
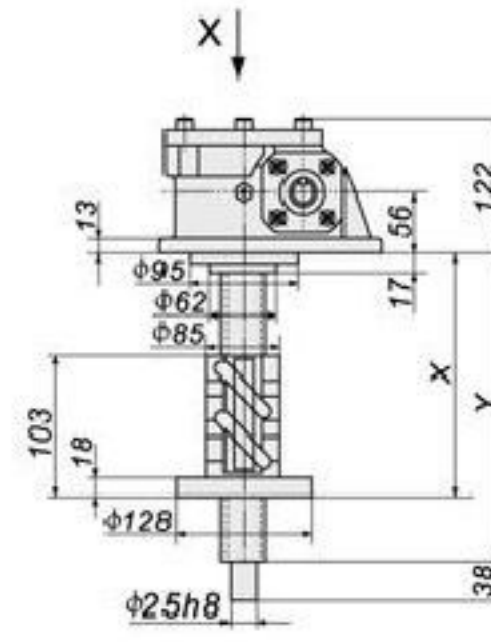
| 行程<br>(mm)<br>Journey | U S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 269 | 369  | 284              | 384  | 147  | 23        |
| 200                   | 269 | 469  | 284              | 484  | 247  | 23        |
| 300                   | 269 | 569  | 304              | 604  | 367  | 24        |
| 400                   | 269 | 669  | 304              | 704  | 467  | 25        |
| 500                   | 269 | 769  | 324              | 824  | 587  | 26        |
| 600                   | 269 | 869  | 324              | 924  | 687  | 27        |
| 800                   | 269 | 1069 | 344              | 1144 | 907  | 29        |
| 1000                  | 269 | 1269 | 364              | 1364 | 1127 | 30        |

| 行程<br>(mm)<br>Journey | D S |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 57               | 157  | 147  | 23        |
| 200                   | 42  | 242  | 57               | 257  | 247  | 23        |
| 300                   | 42  | 342  | 77               | 377  | 367  | 24        |
| 400                   | 42  | 442  | 77               | 477  | 467  | 25        |
| 500                   | 42  | 542  | 97               | 597  | 587  | 26        |
| 600                   | 42  | 642  | 97               | 697  | 687  | 27        |
| 800                   | 42  | 842  | 117              | 917  | 907  | 29        |
| 1000                  | 42  | 1042 | 137              | 1137 | 1127 | 30        |


**JWB050UM**

**JWB050DM**

| 行程<br>(mm)<br>Journey | U M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 269 | 369  | 284              | 384  | 175  | 25        |
| 200                   | 269 | 469  | 284              | 484  | 275  | 27        |
| 300                   | 269 | 569  | 304              | 604  | 395  | 29        |
| 400                   | 269 | 669  | 304              | 704  | 495  | 31        |
| 500                   | 269 | 769  | 324              | 824  | 615  | 33        |
| 600                   | 269 | 869  | 324              | 924  | 715  | 35        |
| 800                   | 269 | 1069 | 344              | 1144 | 935  | 39        |
| 1000                  | 269 | 1269 | 364              | 1364 | 1155 | 43        |

| 行程<br>(mm)<br>Journey | D M |      |                  |      |      |           |
|-----------------------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | m<br>(kg) |
|                       | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 42  | 142  | 57               | 157  | 175  | 25        |
| 200                   | 42  | 242  | 57               | 257  | 275  | 27        |
| 300                   | 42  | 342  | 77               | 377  | 395  | 29        |
| 400                   | 42  | 442  | 77               | 477  | 495  | 31        |
| 500                   | 42  | 542  | 97               | 597  | 615  | 33        |
| 600                   | 42  | 642  | 97               | 697  | 715  | 35        |
| 800                   | 42  | 842  | 117              | 917  | 935  | 39        |
| 1000                  | 42  | 1042 | 137              | 1137 | 1155 | 43        |

**JW**

**J**

**B**

**I**

**M**

**JWB050UR**

**JWB050DR**

| 行程<br>(mm)<br>Journey | U R |      |      |           |
|-----------------------|-----|------|------|-----------|
|                       | X   |      | Y    | m<br>(kg) |
|                       | MIN | MAX  |      |           |
| 100                   | 157 | 257  | 354  | 21        |
| 200                   | 157 | 357  | 454  | 22        |
| 300                   | 157 | 457  | 554  | 22        |
| 400                   | 157 | 557  | 654  | 23        |
| 500                   | 157 | 657  | 754  | 24        |
| 600                   | 157 | 757  | 854  | 24        |
| 800                   | 157 | 957  | 1054 | 26        |
| 1000                  | 157 | 1157 | 1254 | 27        |

| 行程<br>(mm)<br>Journey | D R |      |      |           |
|-----------------------|-----|------|------|-----------|
|                       | X   |      | Y    | m<br>(kg) |
|                       | MIN | MAX  |      |           |
| 100                   | 130 | 230  | 242  | 21        |
| 200                   | 130 | 330  | 342  | 22        |
| 300                   | 130 | 430  | 442  | 22        |
| 400                   | 130 | 530  | 542  | 23        |
| 500                   | 130 | 630  | 642  | 24        |
| 600                   | 130 | 730  | 742  | 24        |
| 800                   | 130 | 930  | 942  | 26        |
| 1000                  | 130 | 1130 | 1142 | 27        |

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWB100**

| 行程<br>(mm)<br>Journey |     | U S  |     |                  |      |    |           |
|-----------------------|-----|------|-----|------------------|------|----|-----------|
|                       |     | X    |     | X <sup>(1)</sup> |      | L  | m<br>(kg) |
|                       |     | MIN  | MAX | MIN              | MAX  |    |           |
| 100                   | 302 | 402  | 312 | 412              | 151  | 36 |           |
| 200                   | 302 | 502  | 312 | 512              | 252  | 38 |           |
| 300                   | 302 | 602  | 327 | 627              | 366  | 41 |           |
| 400                   | 302 | 702  | 327 | 727              | 466  | 43 |           |
| 500                   | 302 | 802  | 352 | 852              | 591  | 46 |           |
| 600                   | 302 | 902  | 352 | 952              | 691  | 48 |           |
| 800                   | 302 | 1102 | 367 | 1167             | 906  | 53 |           |
| 1000                  | 302 | 1302 | 377 | 1377             | 1116 | 58 |           |
| 1200                  | 302 | 1502 | 402 | 1602             | 1341 | 63 |           |

| 行程<br>(mm)<br>Journey |    | D S  |     |                  |      |    |           |
|-----------------------|----|------|-----|------------------|------|----|-----------|
|                       |    | X    |     | X <sup>(1)</sup> |      | L  | m<br>(kg) |
|                       |    | MIN  | MAX | MIN              | MAX  |    |           |
| 100                   | 42 | 142  | 52  | 152              | 151  | 36 |           |
| 200                   | 42 | 242  | 52  | 252              | 252  | 38 |           |
| 300                   | 42 | 342  | 67  | 367              | 366  | 41 |           |
| 400                   | 42 | 442  | 67  | 467              | 466  | 43 |           |
| 500                   | 42 | 542  | 92  | 592              | 591  | 46 |           |
| 600                   | 42 | 642  | 92  | 692              | 691  | 48 |           |
| 800                   | 42 | 842  | 107 | 907              | 906  | 53 |           |
| 1000                  | 42 | 1042 | 117 | 1117             | 1116 | 58 |           |
| 1200                  | 42 | 1242 | 142 | 1342             | 1341 | 63 |           |

| 行程<br>(mm)<br>Journey |     | U M  |     |                  |      |    |           |
|-----------------------|-----|------|-----|------------------|------|----|-----------|
|                       |     | X    |     | X <sup>(1)</sup> |      | L  | m<br>(kg) |
|                       |     | MIN  | MAX | MIN              | MAX  |    |           |
| 100                   | 302 | 402  | 312 | 412              | 192  | 39 |           |
| 200                   | 302 | 502  | 312 | 512              | 292  | 42 |           |
| 300                   | 302 | 602  | 327 | 627              | 407  | 45 |           |
| 400                   | 302 | 702  | 327 | 727              | 507  | 48 |           |
| 500                   | 302 | 802  | 352 | 852              | 632  | 52 |           |
| 600                   | 302 | 902  | 352 | 952              | 732  | 55 |           |
| 800                   | 302 | 1102 | 367 | 1167             | 947  | 61 |           |
| 1000                  | 302 | 1302 | 377 | 1377             | 1157 | 67 |           |
| 1200                  | 302 | 1502 | 402 | 1602             | 1382 | 74 |           |

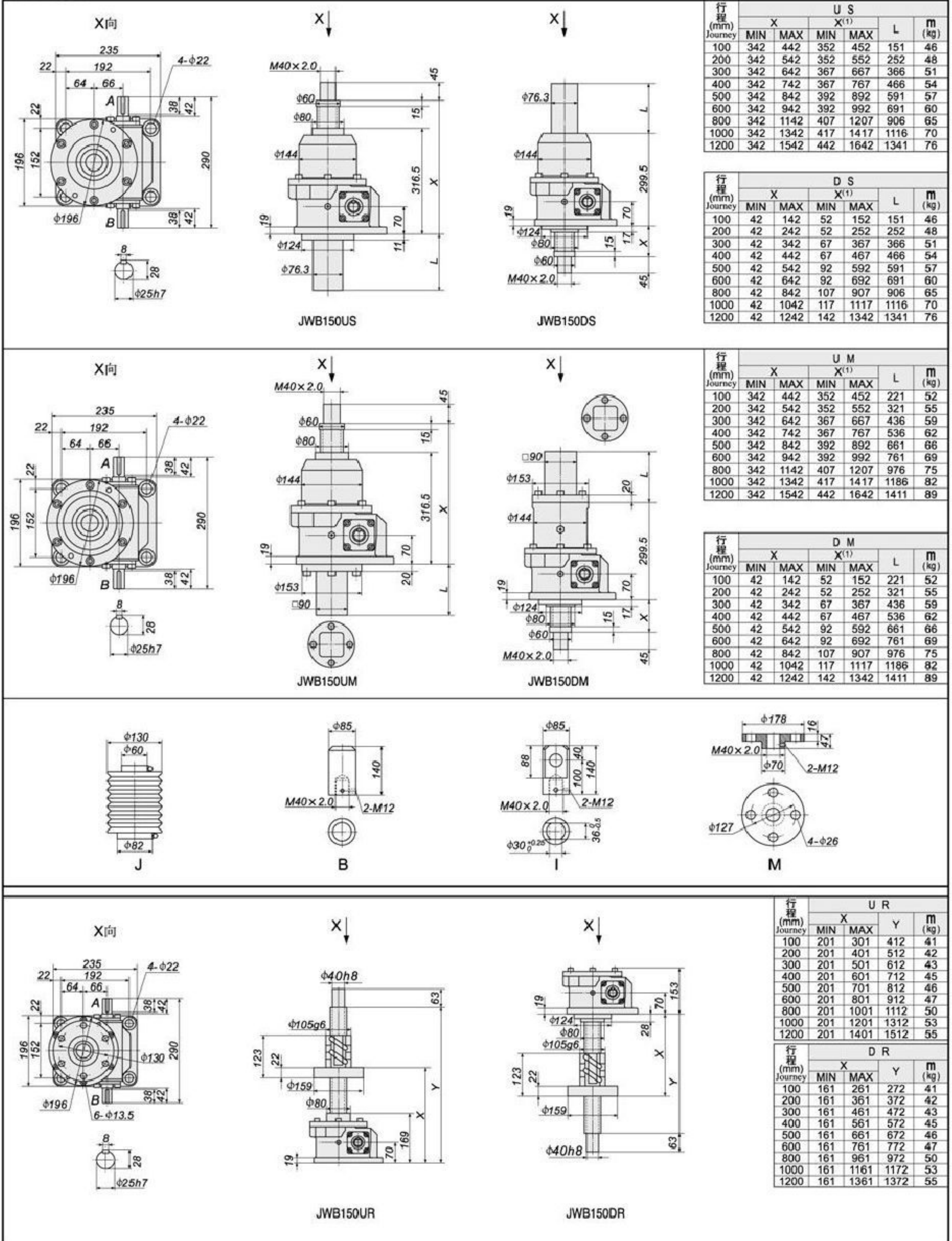
| 行程<br>(mm)<br>Journey |    | D M  |     |                  |      |    |           |
|-----------------------|----|------|-----|------------------|------|----|-----------|
|                       |    | X    |     | X <sup>(1)</sup> |      | L  | m<br>(kg) |
|                       |    | MIN  | MAX | MIN              | MAX  |    |           |
| 100                   | 42 | 142  | 52  | 152              | 192  | 39 |           |
| 200                   | 42 | 242  | 52  | 252              | 292  | 42 |           |
| 300                   | 42 | 342  | 67  | 367              | 407  | 45 |           |
| 400                   | 42 | 442  | 67  | 467              | 507  | 48 |           |
| 500                   | 42 | 542  | 92  | 592              | 632  | 52 |           |
| 600                   | 42 | 642  | 92  | 692              | 732  | 55 |           |
| 800                   | 42 | 842  | 107 | 907              | 947  | 61 |           |
| 1000                  | 42 | 1042 | 117 | 1117             | 1157 | 67 |           |
| 1200                  | 42 | 1242 | 142 | 1342             | 1382 | 74 |           |

| 行程<br>(mm)<br>Journey |     | U R  |      |     |     | Y | m<br>(kg) |
|-----------------------|-----|------|------|-----|-----|---|-----------|
|                       |     | X    |      |     |     |   |           |
|                       |     | MIN  | MAX  | MIN | MAX |   |           |
| 100                   | 176 | 276  | 387  | 31  |     |   |           |
| 200                   | 176 | 376  | 487  | 32  |     |   |           |
| 300                   | 176 | 476  | 587  | 33  |     |   |           |
| 400                   | 176 | 576  | 687  | 34  |     |   |           |
| 500                   | 176 | 676  | 787  | 35  |     |   |           |
| 600                   | 176 | 776  | 887  | 36  |     |   |           |
| 800                   | 176 | 976  | 1087 | 39  |     |   |           |
| 1000                  | 176 | 1176 | 1287 | 41  |     |   |           |
| 1200                  | 176 | 1376 | 1487 | 43  |     |   |           |

| 行程<br>(mm)<br>Journey |     | D R  |      |     |     | Y | m<br>(kg) |
|-----------------------|-----|------|------|-----|-----|---|-----------|
|                       |     | X    |      |     |     |   |           |
|                       |     | MIN  | MAX  | MIN | MAX |   |           |
| 100                   | 158 | 258  | 268  | 31  |     |   |           |
| 200                   | 158 | 358  | 368  | 32  |     |   |           |
| 300                   | 158 | 458  | 468  | 33  |     |   |           |
| 400                   | 158 | 558  | 568  | 34  |     |   |           |
| 500                   | 158 | 658  | 668  | 35  |     |   |           |
| 600                   | 158 | 758  | 768  | 36  |     |   |           |
| 800                   | 158 | 958  | 968  | 39  |     |   |           |
| 1000                  | 158 | 1158 | 1168 | 41  |     |   |           |
| 1200                  | 158 | 1358 | 1368 | 43  |     |   |           |

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWB150**

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

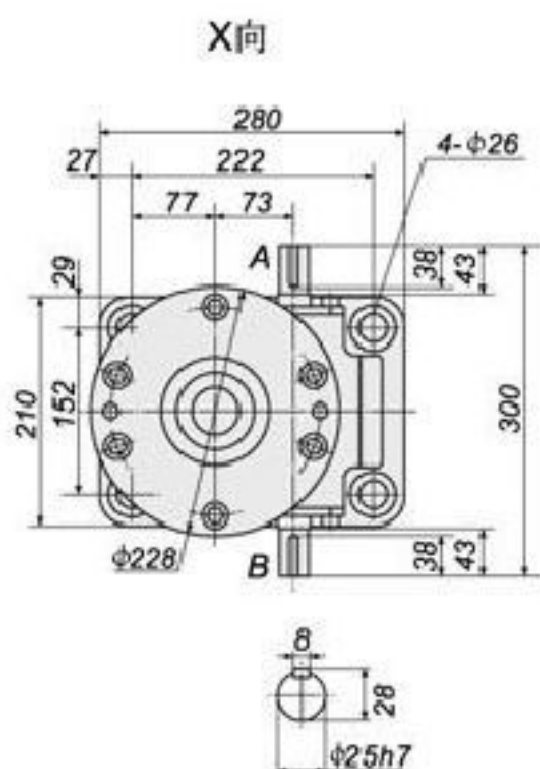
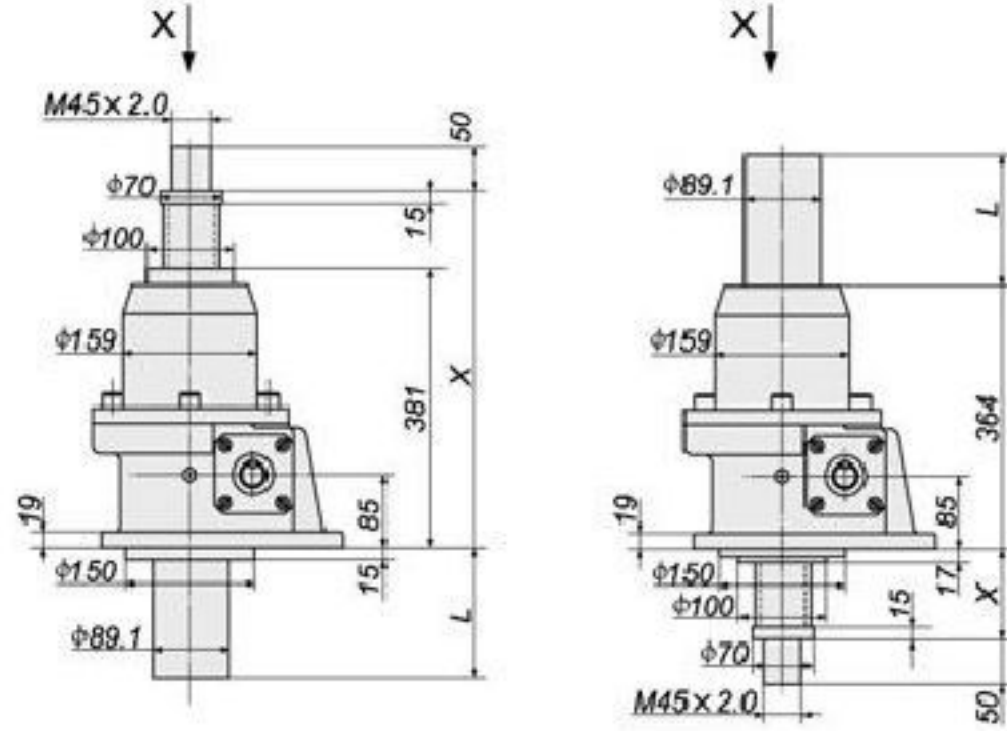
**JWB200**

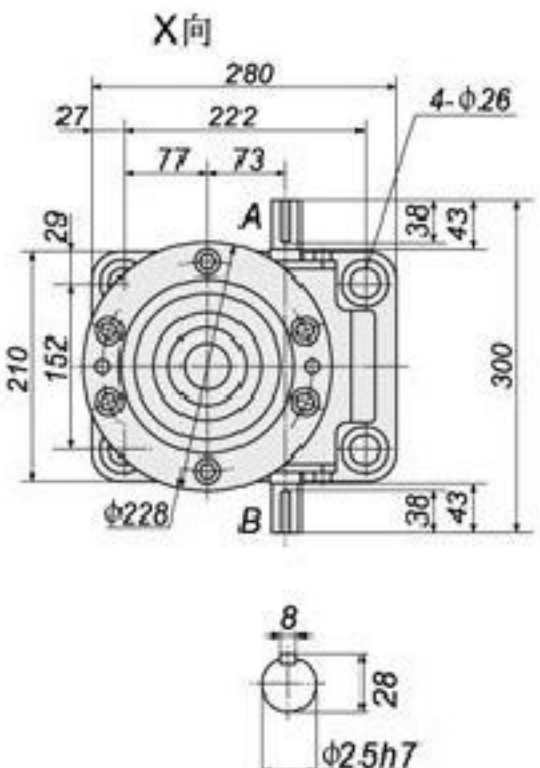
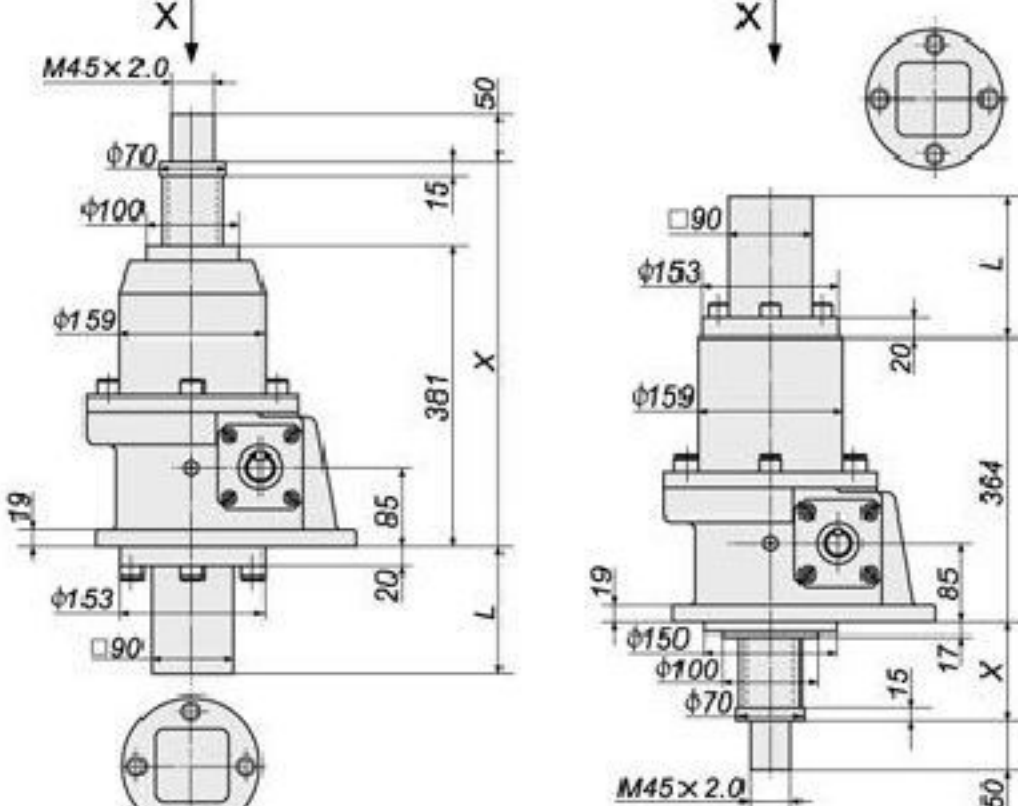
| 行程<br>(mm)<br>Journey |     | U S  |     |                  |      |     |           |
|-----------------------|-----|------|-----|------------------|------|-----|-----------|
|                       |     | X    |     | X <sup>(1)</sup> |      | L   | m<br>(kg) |
|                       |     | MIN  | MAX | MIN              | MAX  |     |           |
| 100                   | 406 | 506  | 416 | 516              | 151  | 65  |           |
| 200                   | 406 | 606  | 416 | 616              | 252  | 68  |           |
| 300                   | 406 | 706  | 431 | 731              | 366  | 72  |           |
| 400                   | 406 | 806  | 431 | 831              | 466  | 76  |           |
| 500                   | 406 | 906  | 456 | 956              | 591  | 80  |           |
| 600                   | 406 | 1006 | 456 | 1056             | 691  | 83  |           |
| 800                   | 406 | 1206 | 471 | 1271             | 906  | 90  |           |
| 1000                  | 406 | 1406 | 481 | 1481             | 1116 | 97  |           |
| 1200                  | 406 | 1606 | 506 | 1706             | 1357 | 105 |           |

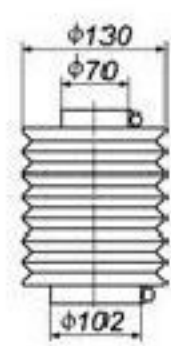
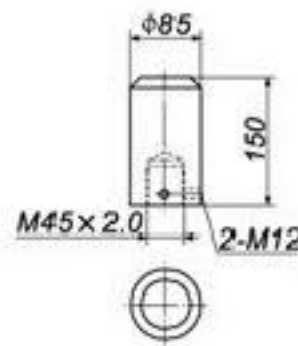
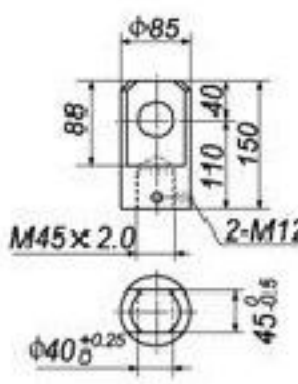
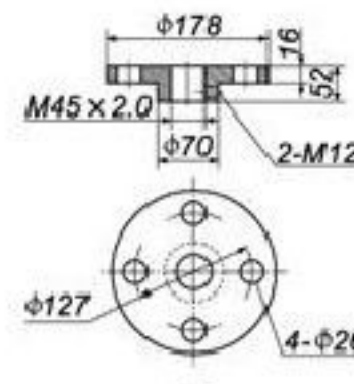
| 行程<br>(mm)<br>Journey |    | D S  |     |                  |      |     |           |
|-----------------------|----|------|-----|------------------|------|-----|-----------|
|                       |    | X    |     | X <sup>(1)</sup> |      | L   | m<br>(kg) |
|                       |    | MIN  | MAX | MIN              | MAX  |     |           |
| 100                   | 42 | 142  | 52  | 152              | 151  | 65  |           |
| 200                   | 42 | 242  | 52  | 252              | 252  | 68  |           |
| 300                   | 42 | 342  | 67  | 367              | 366  | 72  |           |
| 400                   | 42 | 442  | 67  | 467              | 466  | 76  |           |
| 500                   | 42 | 542  | 92  | 592              | 591  | 80  |           |
| 600                   | 42 | 642  | 92  | 692              | 691  | 83  |           |
| 800                   | 42 | 842  | 107 | 907              | 906  | 90  |           |
| 1000                  | 42 | 1042 | 117 | 1117             | 1116 | 97  |           |
| 1200                  | 42 | 1242 | 142 | 1342             | 1357 | 105 |           |

| 行程<br>(mm)<br>Journey |     | U M  |     |                  |      |     |           |
|-----------------------|-----|------|-----|------------------|------|-----|-----------|
|                       |     | X    |     | X <sup>(1)</sup> |      | L   | m<br>(kg) |
|                       |     | MIN  | MAX | MIN              | MAX  |     |           |
| 100                   | 406 | 506  | 416 | 516              | 230  | 72  |           |
| 200                   | 406 | 606  | 416 | 616              | 330  | 76  |           |
| 300                   | 406 | 706  | 431 | 731              | 445  | 80  |           |
| 400                   | 406 | 806  | 431 | 831              | 545  | 84  |           |
| 500                   | 406 | 906  | 456 | 956              | 670  | 89  |           |
| 600                   | 406 | 1006 | 456 | 1056             | 770  | 93  |           |
| 800                   | 406 | 1206 | 471 | 1271             | 985  | 102 |           |
| 1000                  | 406 | 1406 | 481 | 1481             | 1195 | 110 |           |
| 1200                  | 406 | 1606 | 506 | 1706             | 1420 | 119 |           |

| 行程<br>(mm)<br>Journey |    | D M  |     |                  |      |     |           |
|-----------------------|----|------|-----|------------------|------|-----|-----------|
|                       |    | X    |     | X <sup>(1)</sup> |      | L   | m<br>(kg) |
|                       |    | MIN  | MAX | MIN              | MAX  |     |           |
| 100                   | 42 | 142  | 52  | 152              | 230  | 72  |           |
| 200                   | 42 | 242  | 52  | 252              | 330  | 76  |           |
| 300                   | 42 | 342  | 67  | 367              | 445  | 80  |           |
| 400                   | 42 | 442  | 67  | 467              | 545  | 84  |           |
| 500                   | 42 | 542  | 92  | 592              | 670  | 89  |           |
| 600                   | 42 | 642  | 92  | 692              | 770  | 93  |           |
| 800                   | 42 | 842  | 107 | 907              | 985  | 102 |           |
| 1000                  | 42 | 1042 | 117 | 1117             | 1195 | 110 |           |
| 1200                  | 42 | 1242 | 142 | 1342             | 1420 | 119 |           |

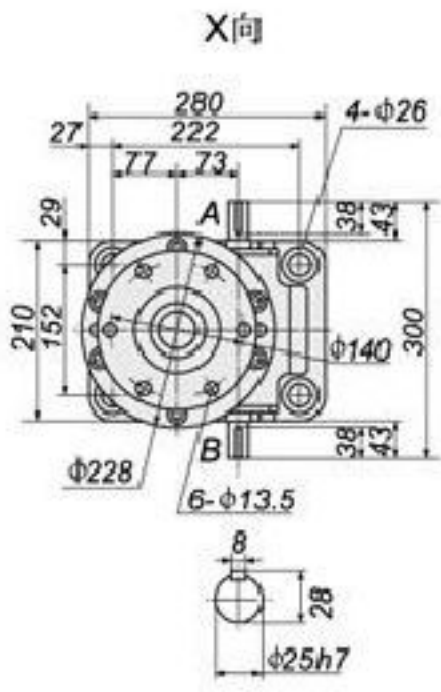
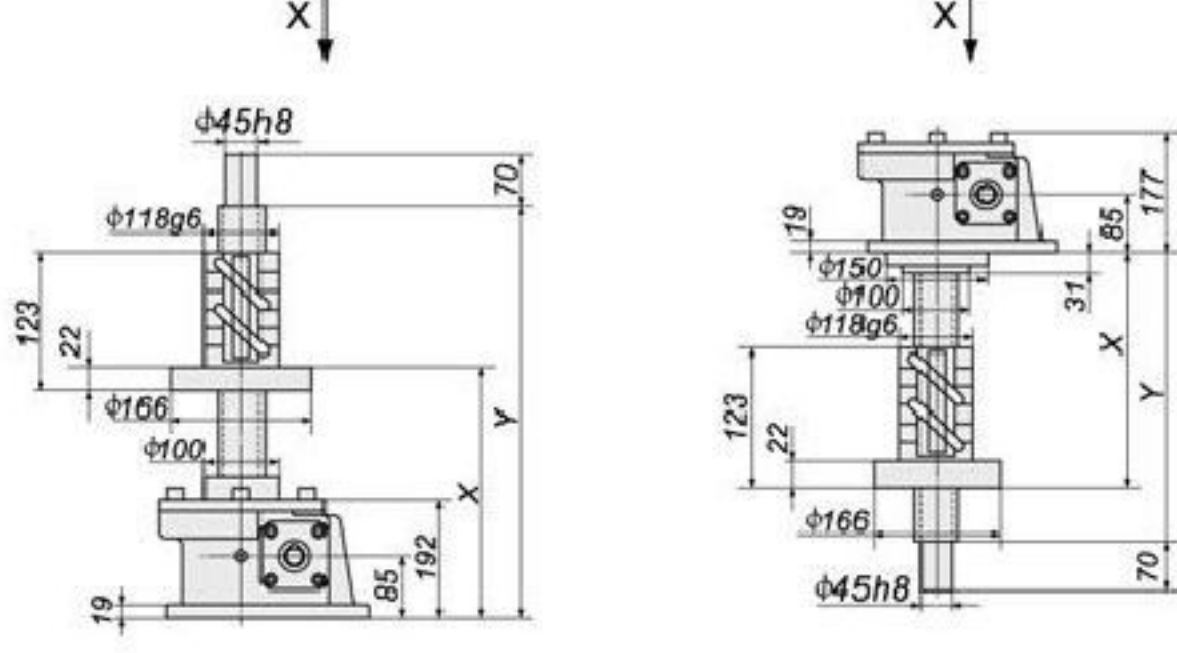
|                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |
| JWB200US                                                                          | JWB200DS                                                                           |

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| JWB200UM                                                                           | JWB200DM                                                                            |

|                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| J                                                                                   | B                                                                                   | I                                                                                     | M                                                                                     |

| 行程<br>(mm)<br>Journey |     | U R  |      |    |           |
|-----------------------|-----|------|------|----|-----------|
|                       |     | X    |      | Y  | m<br>(kg) |
|                       |     | MIN  | MAX  |    |           |
| 100                   | 224 | 324  | 435  | 56 |           |
| 200                   | 224 | 424  | 535  | 58 |           |
| 300                   | 224 | 524  | 635  | 60 |           |
| 400                   | 224 | 624  | 735  | 62 |           |
| 500                   | 224 | 724  | 835  | 65 |           |
| 600                   | 224 | 824  | 935  | 67 |           |
| 800                   | 224 | 1024 | 1135 | 71 |           |
| 1000                  | 224 | 1224 | 1335 | 76 |           |
| 1200                  | 224 | 1424 | 1535 | 80 |           |

| 行程<br>(mm)<br>Journey |     | D R  |      |    |           |
|-----------------------|-----|------|------|----|-----------|
|                       |     | X    |      | Y  | m<br>(kg) |
|                       |     | MIN  | MAX  |    |           |
| 100                   | 164 | 264  | 274  | 56 |           |
| 200                   | 164 | 364  | 374  | 58 |           |
| 300                   | 164 | 464  | 474  | 60 |           |
| 400                   | 164 | 564  | 574  | 62 |           |
| 500                   | 164 | 664  | 674  | 65 |           |
| 600                   | 164 | 764  | 774  | 67 |           |
| 800                   | 164 | 964  | 974  | 71 |           |
| 1000                  | 164 | 1164 | 1174 | 76 |           |
| 1200                  | 164 | 1364 | 1374 | 80 |           |

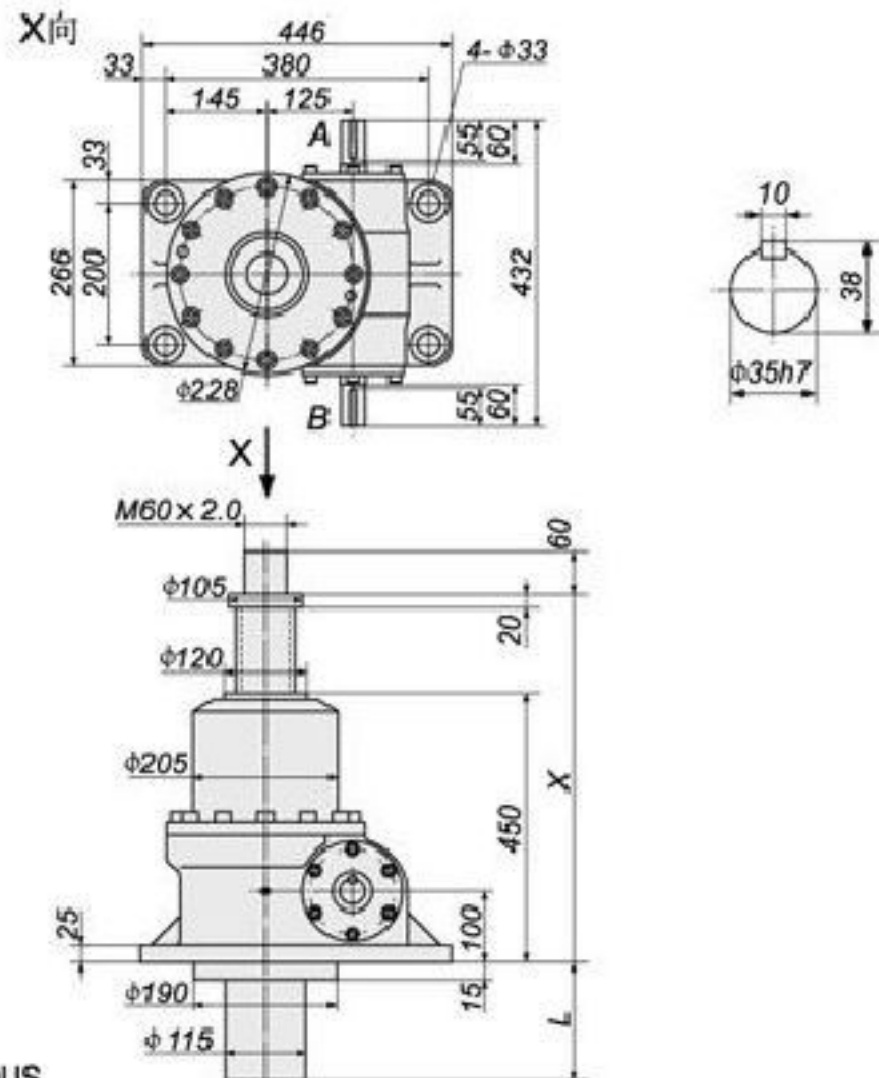
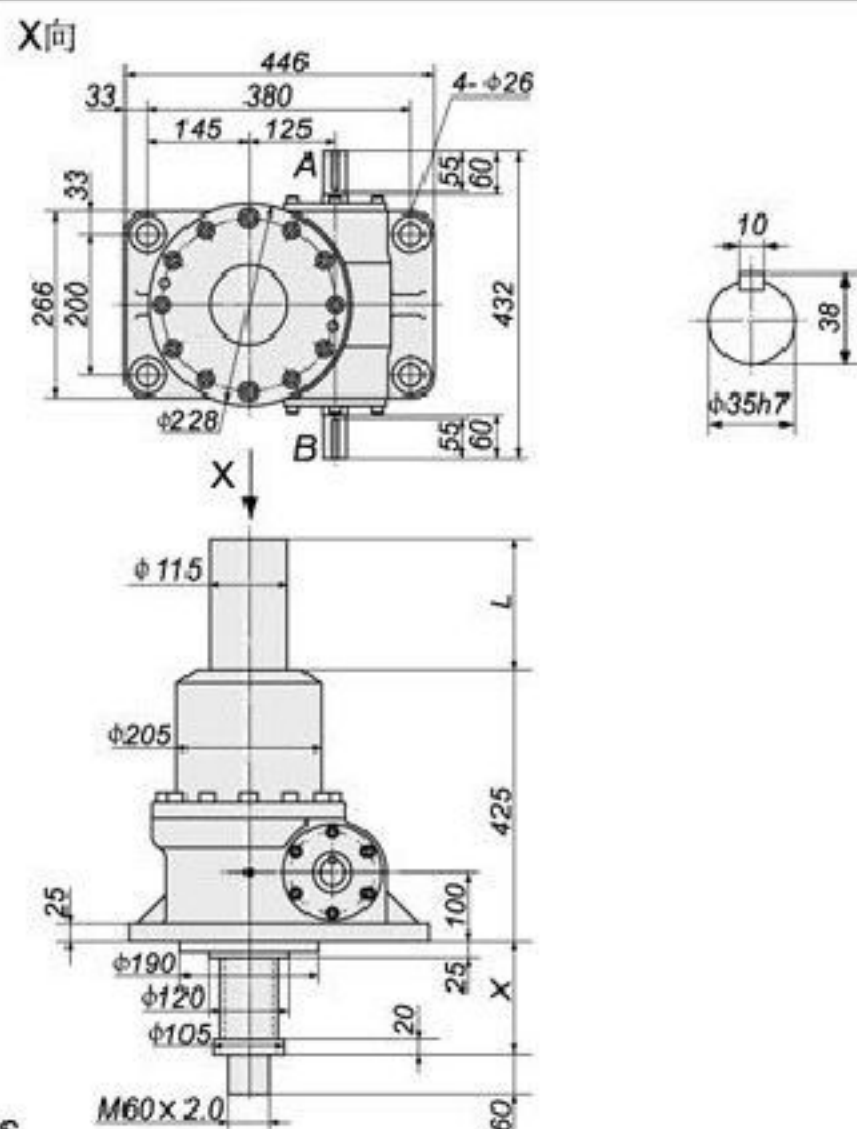
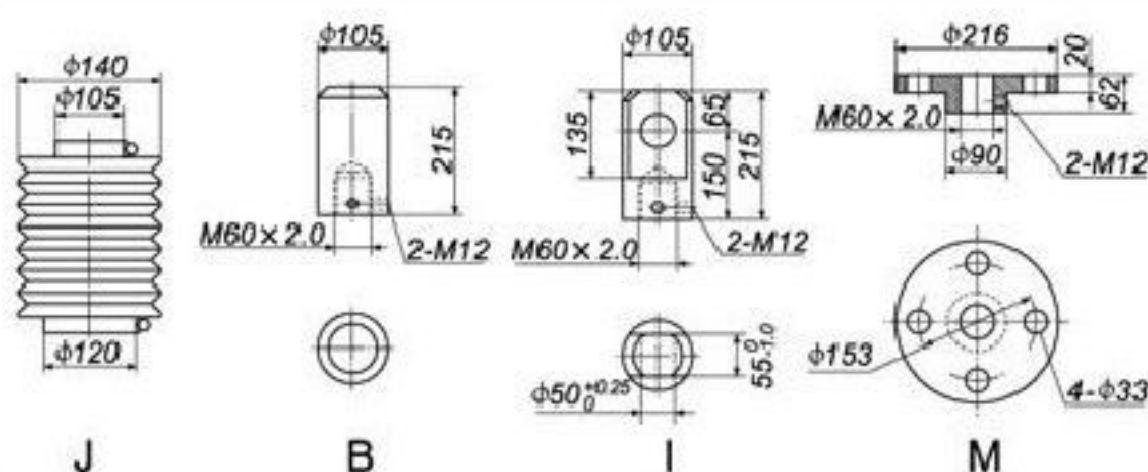
|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
| JWB200UR                                                                            | JWB200DR                                                                             |

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

**JWB300**

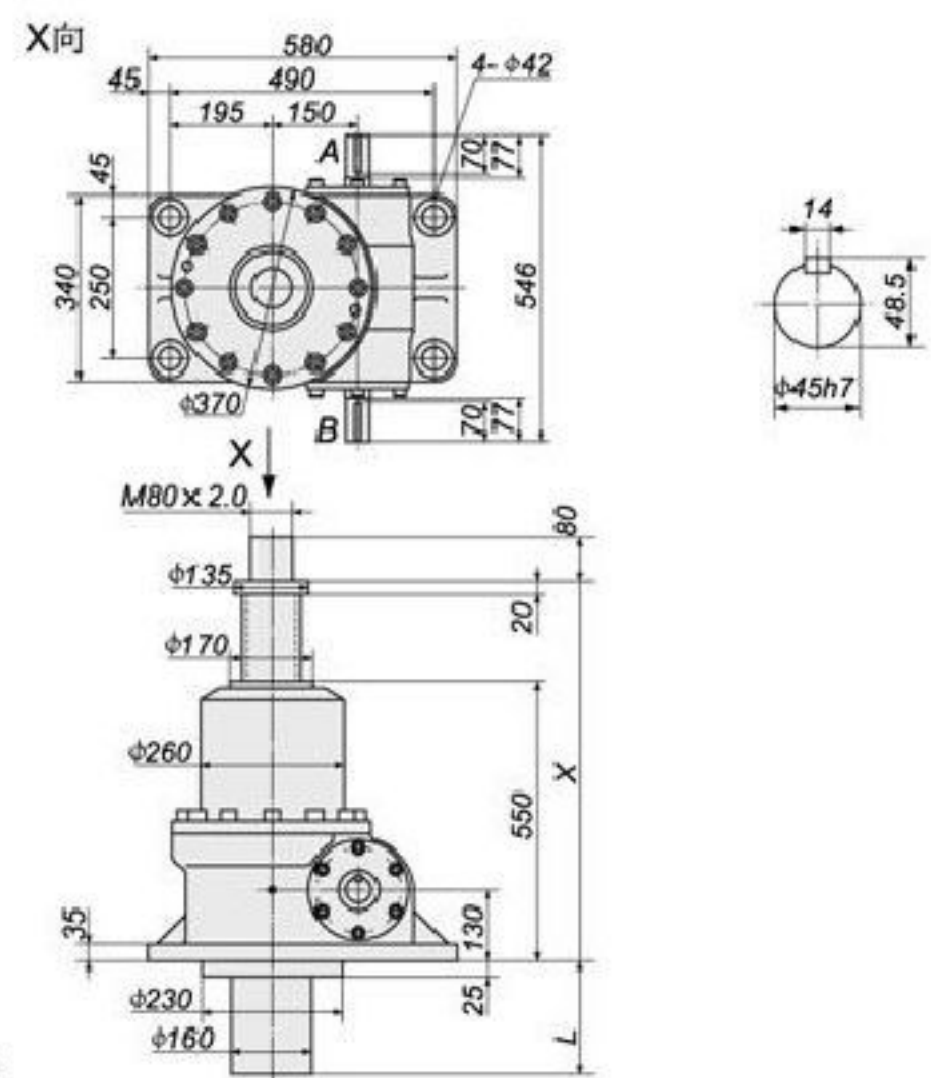
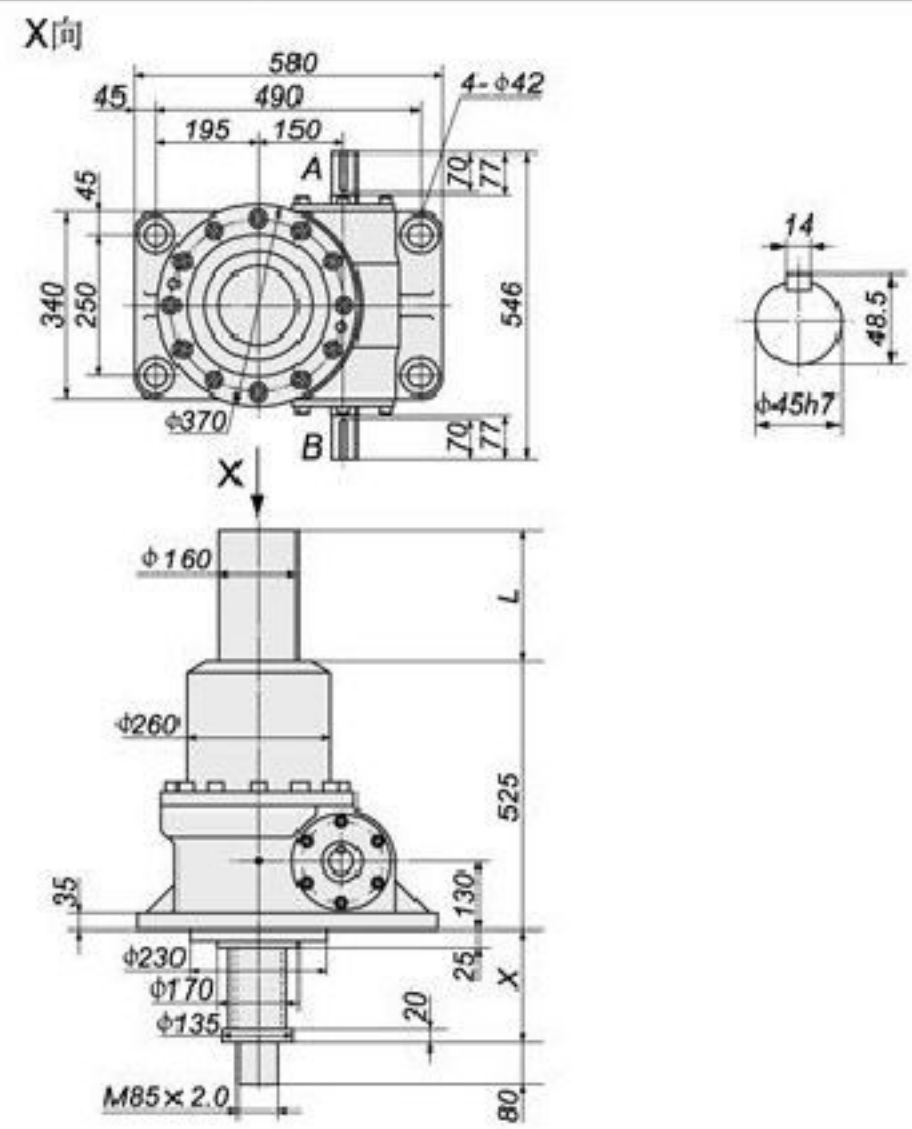
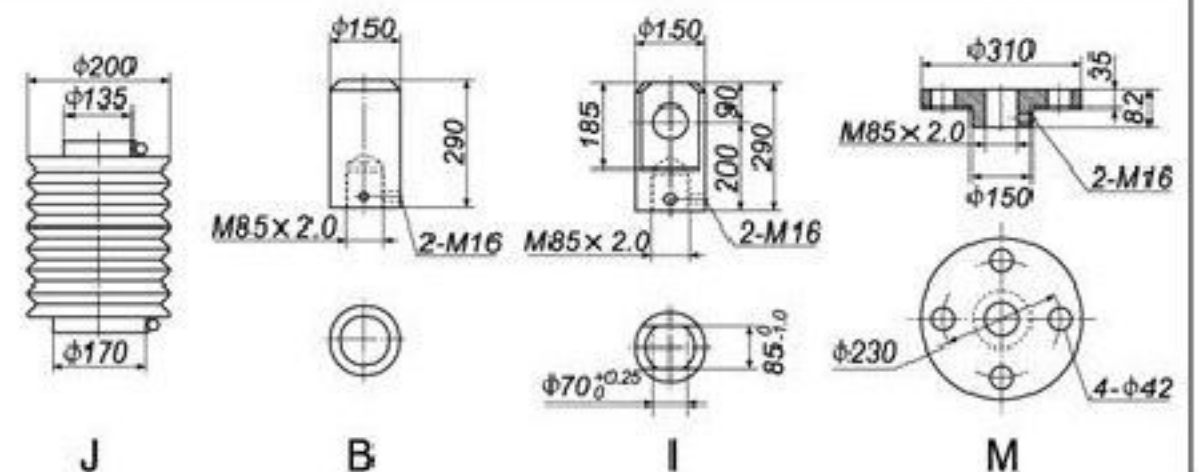
| 行程<br>(mm)<br>Journey | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|-----------------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|                       | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 480 | 580  | 490              | 590  | 160  | 55  | 155  | 65               | 165  | 160  | 153       |
| 200                   | 480 | 680  | 490              | 690  | 260  | 55  | 255  | 65               | 265  | 260  | 159       |
| 300                   | 480 | 780  | 505              | 805  | 375  | 55  | 355  | 80               | 380  | 375  | 166       |
| 400                   | 480 | 880  | 505              | 905  | 475  | 55  | 455  | 80               | 480  | 475  | 172       |
| 500                   | 480 | 980  | 520              | 1020 | 590  | 55  | 555  | 95               | 595  | 590  | 178       |
| 600                   | 480 | 1080 | 520              | 1120 | 690  | 55  | 655  | 95               | 695  | 690  | 184       |
| 800                   | 480 | 1280 | 535              | 1335 | 905  | 55  | 855  | 110              | 910  | 905  | 197       |
| 1000                  | 480 | 1480 | 555              | 1555 | 1125 | 55  | 1050 | 130              | 1130 | 1125 | 210       |
| 1200                  | 480 | 1680 | 565              | 1765 | 1335 | 55  | 1255 | 140              | 1340 | 1335 | 223       |
| 1500                  | 480 | 1980 | 590              | 2090 | 1660 | 55  | 1555 | 165              | 1665 | 1660 | 242       |


**JWB300US**

**JWB300DS**

**J**
**B**
**I**
**M**

 注: X<sup>(1)</sup> 为加防尘罩时尺寸。

**JWB500**

| 行程<br>(mm)<br>Journey | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|-----------------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|                       | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|                       | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100                   | 580 | 680  | 585              | 685  | 165  | 55  | 155  | 60               | 160  | 165  | 310       |
| 200                   | 580 | 780  | 585              | 785  | 265  | 55  | 255  | 60               | 260  | 265  | 320       |
| 300                   | 580 | 880  | 605              | 905  | 385  | 55  | 355  | 80               | 380  | 385  | 330       |
| 400                   | 580 | 980  | 605              | 1005 | 485  | 55  | 455  | 80               | 480  | 485  | 340       |
| 500                   | 580 | 1080 | 615              | 1115 | 595  | 55  | 555  | 90               | 590  | 595  | 350       |
| 600                   | 580 | 1180 | 615              | 1215 | 695  | 55  | 655  | 90               | 690  | 695  | 359       |
| 800                   | 580 | 1380 | 630              | 1430 | 910  | 55  | 855  | 105              | 905  | 910  | 378       |
| 1000                  | 580 | 1580 | 645              | 1645 | 1125 | 55  | 1050 | 120              | 1120 | 1125 | 398       |
| 1200                  | 580 | 1780 | 655              | 1855 | 1335 | 55  | 1255 | 130              | 1330 | 1335 | 417       |
| 1500                  | 580 | 2080 | 675              | 2175 | 1665 | 55  | 1555 | 150              | 1650 | 1665 | 446       |

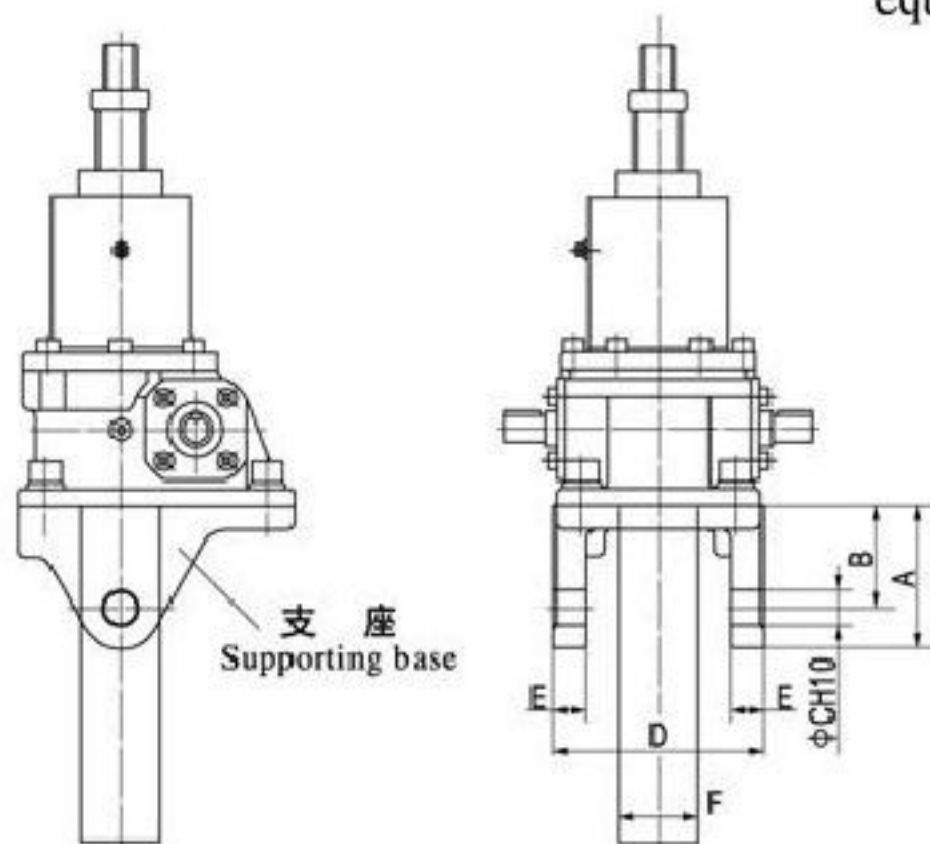

**JWB500US**

**JWB500DS**

**J**
**B**
**I**
**M**

 Note: "X<sup>(1)</sup>" is the dimension of jack with dust hood.

附件的确认:

C型安装:

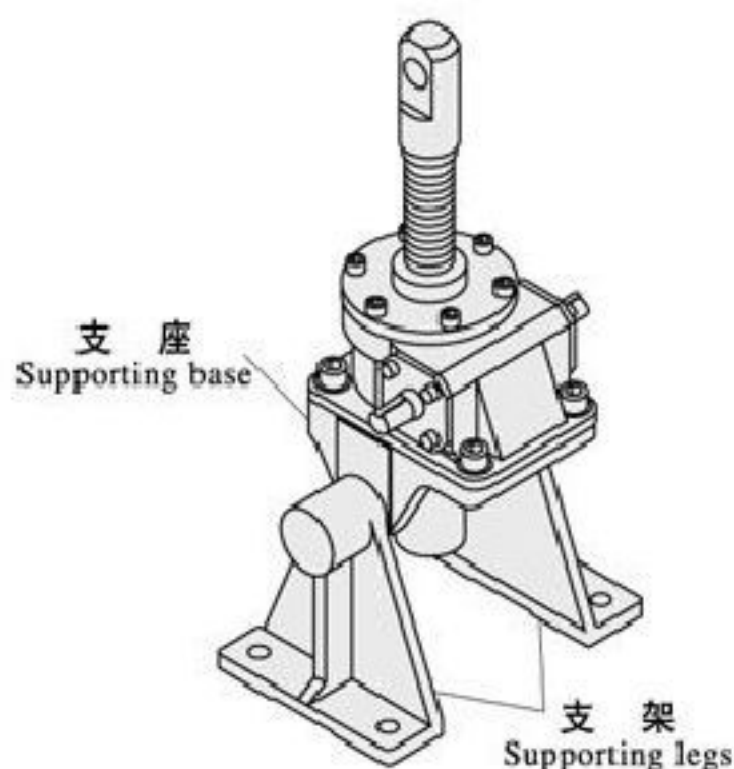
支座安装广泛应用于开关装置、倾斜装置。如图:



Accessory confirmation:

Support (Mode C mounting):

Support-mounted mode widely apply to tilting equipment.



| 型 号 | A   | B   | C  | D   | E  | F    |
|-----|-----|-----|----|-----|----|------|
| 010 | 75  | 60  | 15 | 86  | 15 | 35   |
| 025 | 100 | 75  | 20 | 115 | 20 | 45   |
| 050 | 105 | 75  | 25 | 158 | 25 | 58   |
| 100 | 145 | 100 | 40 | 201 | 30 | 76.3 |
| 150 | 155 | 105 | 50 | 224 | 44 | 76.3 |
| 200 | 173 | 110 | 63 | 244 | 50 | 89.1 |

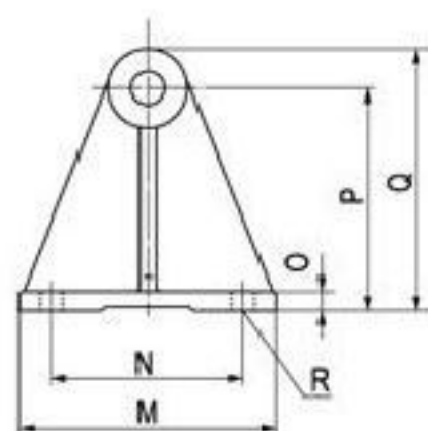
JW

支架

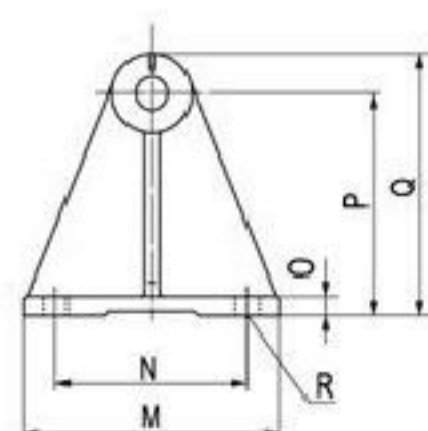
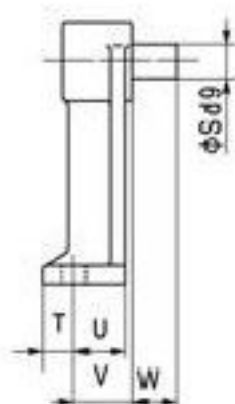
支座与支架配合, 实现多方位升降。

Supporting legs:

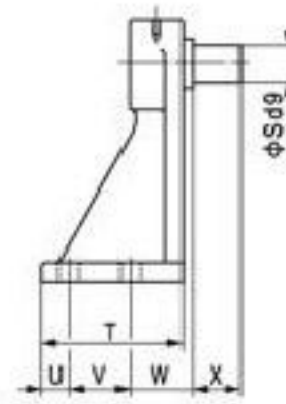
Matching supporting base and legs realizes multi-angles lifting and lowering.



JW010-JW050



JW100-JW200



| 型 号 | M   | N   | O  | P   | Q   | R     | S  | T   | U  | V  | W  | X  |
|-----|-----|-----|----|-----|-----|-------|----|-----|----|----|----|----|
| 010 | 180 | 130 | 15 | 150 | 178 | 2-Φ18 | 15 | 25  | 40 | 45 | 17 | -  |
| 025 | 180 | 130 | 15 | 150 | 178 | 2-Φ18 | 20 | 25  | 40 | 45 | 30 | -  |
| 050 | 200 | 150 | 15 | 170 | 200 | 2-Φ18 | 25 | 25  | 40 | 45 | 35 | -  |
| 100 | 280 | 220 | 22 | 240 | 290 | 4-Φ22 | 40 | 159 | 30 | 70 | 70 | 55 |
| 150 | 360 | 280 | 27 | 300 | 360 | 4-Φ33 | 50 | 195 | 40 | 85 | 85 | 70 |
| 200 | 400 | 320 | 30 | 380 | 450 | 4-Φ33 | 63 | 210 | 40 | 90 | 90 | 75 |

手轮盘:

此件只适应于JWM型工作在冲击、振动不大的场合，  
请不要应用在JWB结构中。  
手动操作扭矩=所需输入扭矩/手轮操作盘半径

Hand wheel:

Hand wheel only apply to JWM under light  
shock or vibration condition but not for JWB.  
 $M_{handwheel}=M_{required}/r_{handwheel}$

型号表示:

JWM025US-H200MI

升降机型号 (见180页)

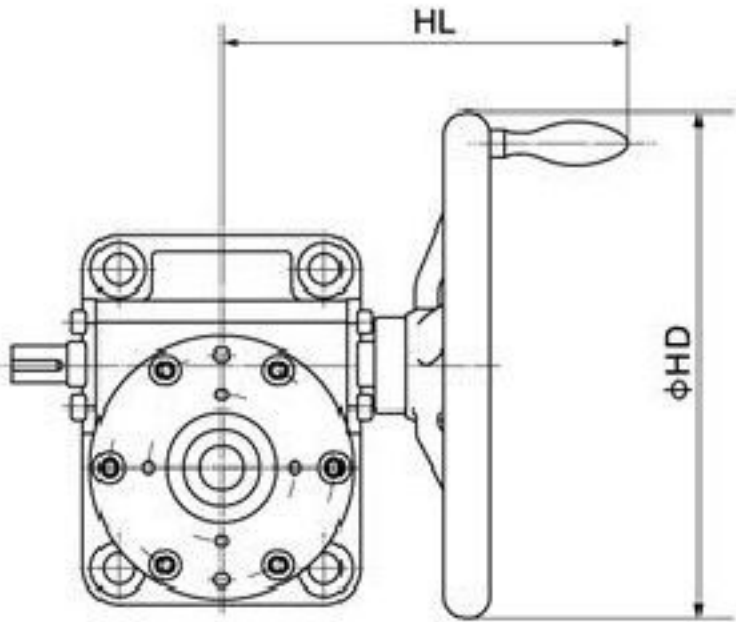
Refer to 180页

-

NV100

手轮盘型号

Hand wheel mode



尺寸表:

Dimension sheet: (mm)

| 型 号<br>Type | NV80 |     | NV100 |     | NV200 |     | NV250 |     | NV450 |     |
|-------------|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
|             | HD   | HL  | HD    | HL  | HD    | HL  | HD    | HL  | HD    | HL  |
| JWM010      | 80   | 122 | 100   | 125 | —     | —   | —     | —   | —     | —   |
| JWM025      | —    | —   | 100   | 140 | 200   | 198 | —     | —   | —     | —   |
| JWM050      | —    | —   | —     | —   | 200   | 221 | 250   | 229 | —     | —   |
| JWM100      | —    | —   | —     | —   | —     | —   | 250   | 242 | 450   | 295 |
| JWM150      | —    | —   | —     | —   | —     | —   | 250   | 247 | 450   | 300 |
| JWM200      | —    | —   | —     | —   | —     | —   | —     | —   | 450   | 304 |

注：手轮为外购件，以定货时实物尺寸为准。

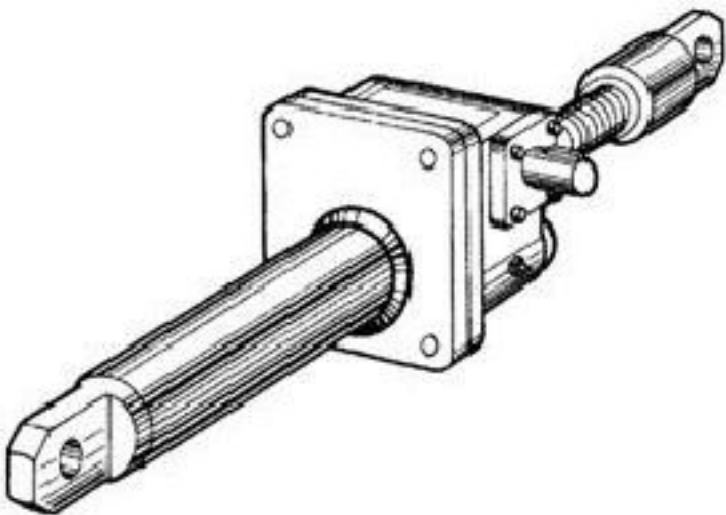
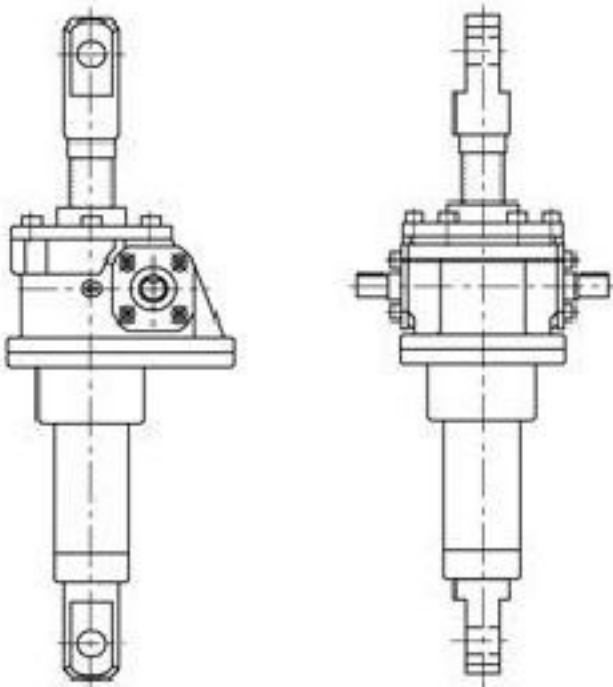
Note: The dimension of hand wheel is subject to product  
purchased from other factories.

双头输出:

适用于开闭装置、反转装置。

Double end output:

Apply to open and close devices, reversing devices.



组合型式:

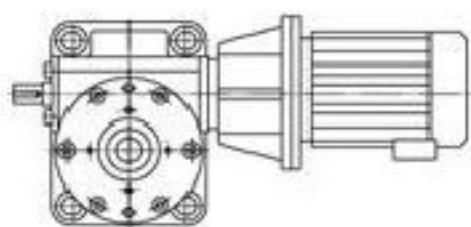
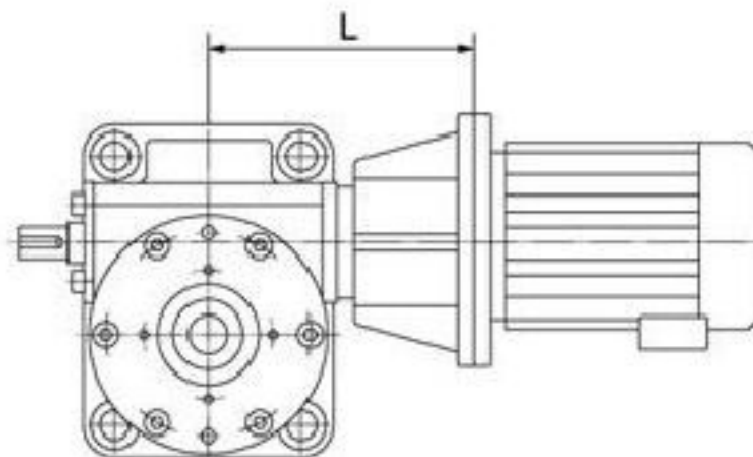
电机直联:

型号表示 Illustration of types:

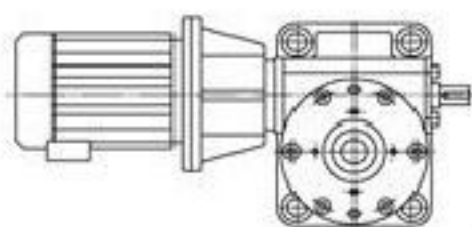
|                                |   |                    |   |                     |   |                     |
|--------------------------------|---|--------------------|---|---------------------|---|---------------------|
| JWM050US-H200MI                | - | Y                  | - | 0.55                | - | A                   |
| 升降机型号 (见180页)<br>Refer to 180页 |   | 电机代号<br>Motor mode |   | 电机功率<br>Motor power |   | 配置形式<br>Combination |

Combination of JW series:

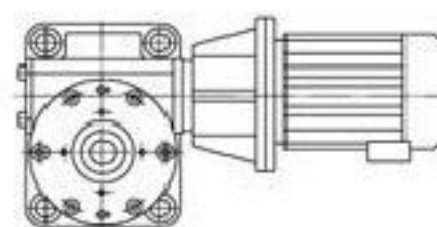
Direct-connected-motor:



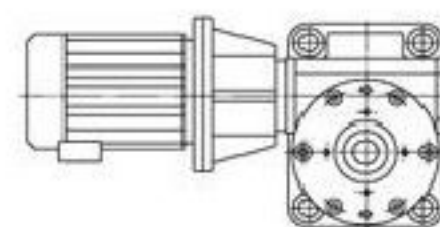
A



B



C



D

| 型号                       | JWM010 |      |        |        | JWM025 |      |      |      |        |        | JWM050 |      |      |      |       |       |
|--------------------------|--------|------|--------|--------|--------|------|------|------|--------|--------|--------|------|------|------|-------|-------|
| 电机功率 (kW)<br>Motor Power | 0.12   | 0.18 | 0.25 * | 0.37 * | 0.12   | 0.18 | 0.25 | 0.37 | 0.55 * | 0.75 * | 0.25   | 0.37 | 0.55 | 0.75 | 1.1 * | 1.5 * |
| L (mm)                   | 136    |      |        |        | 142    |      |      |      |        |        | 170    |      |      |      |       |       |

| 型号                       | JWM100 |      |      |     |     |       | JWM150 |      |     |     |       |     | JWM200 |     |      |     |   |     |
|--------------------------|--------|------|------|-----|-----|-------|--------|------|-----|-----|-------|-----|--------|-----|------|-----|---|-----|
| 电机功率 (kW)<br>Motor Power | 0.37   | 0.55 | 0.75 | 1.1 | 1.5 | 2.2 * | 0.55   | 0.75 | 1.1 | 1.5 | 2.2 * | 3 * | 0.75   | 1.1 | 1.15 | 2.2 | 3 | 4 * |
| L (mm)                   | 225    |      |      |     |     |       | 232    |      |     |     |       |     | 260    |     |      |     |   |     |

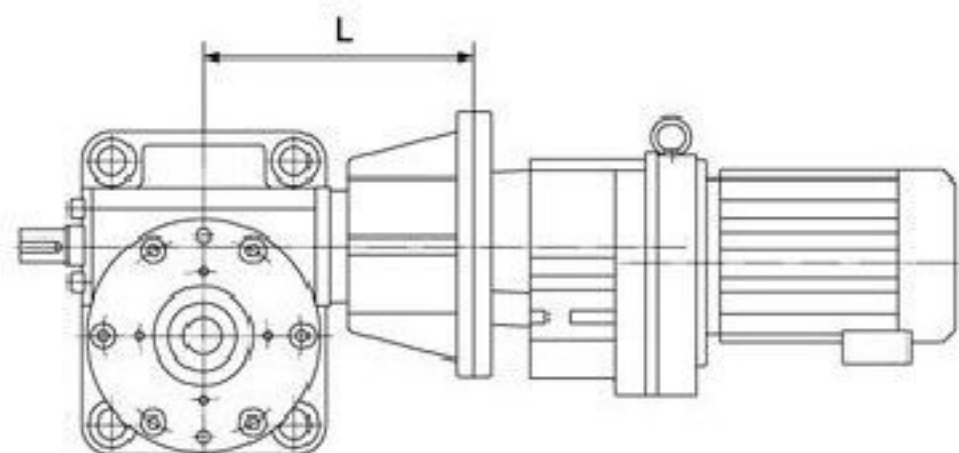
注: 1.电机功率的选择应符合传动能力表;  
2.表中所列功率为4极电机功率;  
3.当与所联电机为6极或标有“\*”的电机为变频、制动时,因电机过重,应选择带有底脚安装的电机。

Note: 1. Motor power must accord with JM basic parameter table.  
2. 4-pole motor power are available in the table.  
3. 6-pole motors or “\*” frequency conversion and braking motors should be foot-mounted for their heavy weight.

与减速电机组合式 Combination with gear motor:

型号表示 Illustration of types:

|                        |   |                                            |   |                     |
|------------------------|---|--------------------------------------------|---|---------------------|
| JWM050US-H200MI        | - | R37-5-Y-0.55                               | - | A                   |
| 见180页<br>Refer to 180页 |   | 见减速机表示方法<br>Illustration of the gear motor |   | 配置形式<br>Combination |

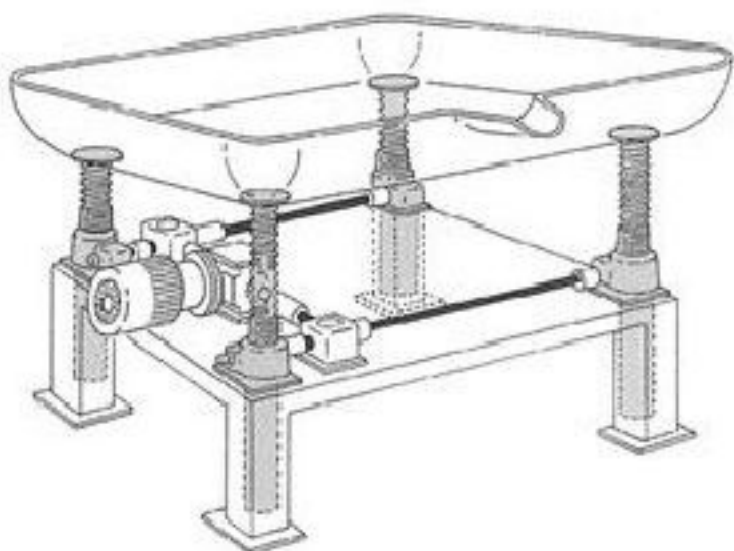


注: 当齿轮减速电机的重量过重时, 请咨询我们。

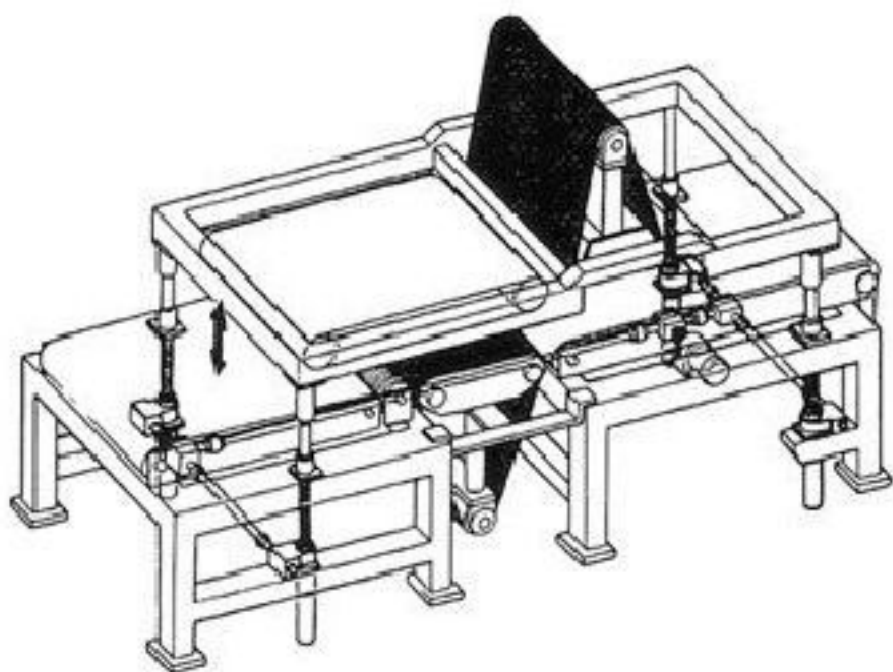
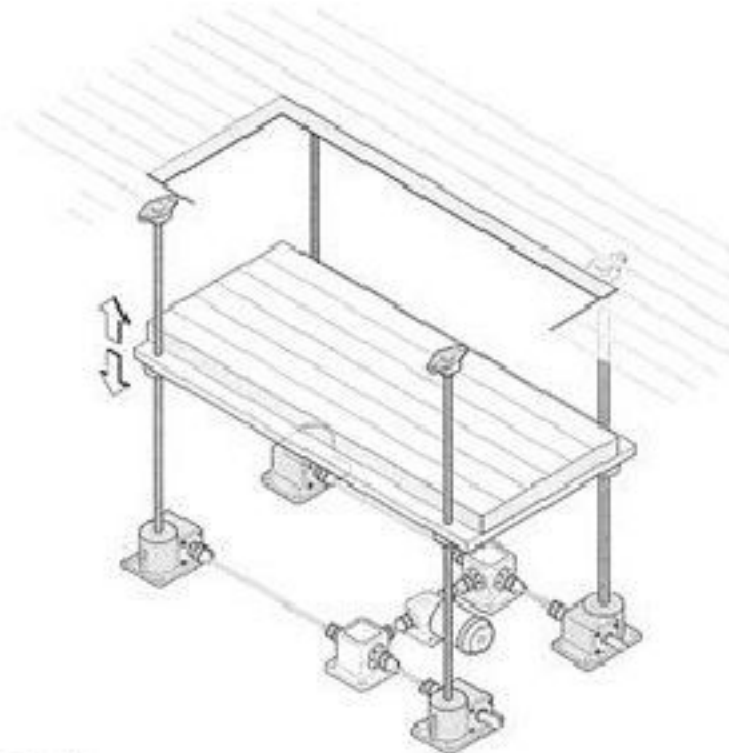
Note: If gear motor is over weight, consult us please.

应用举例

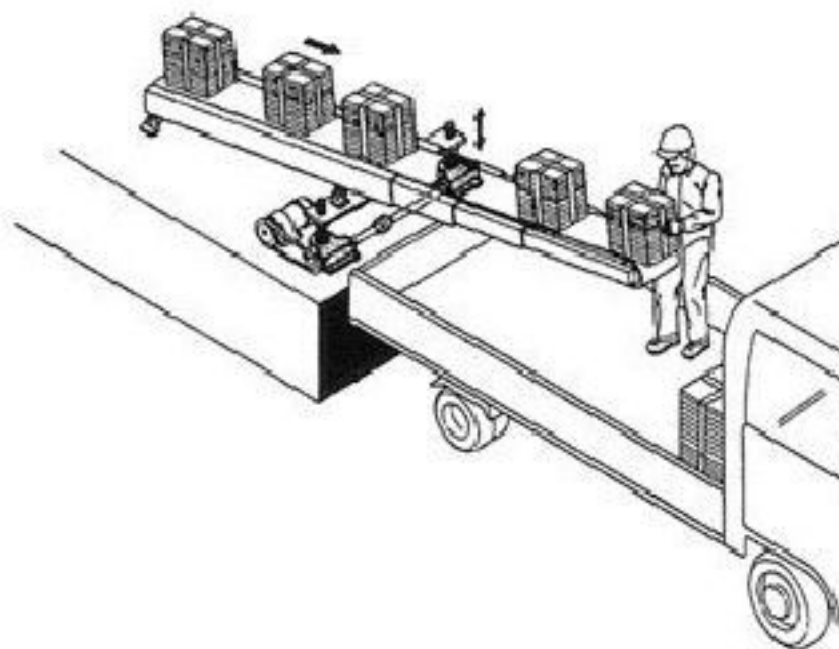
Application example:



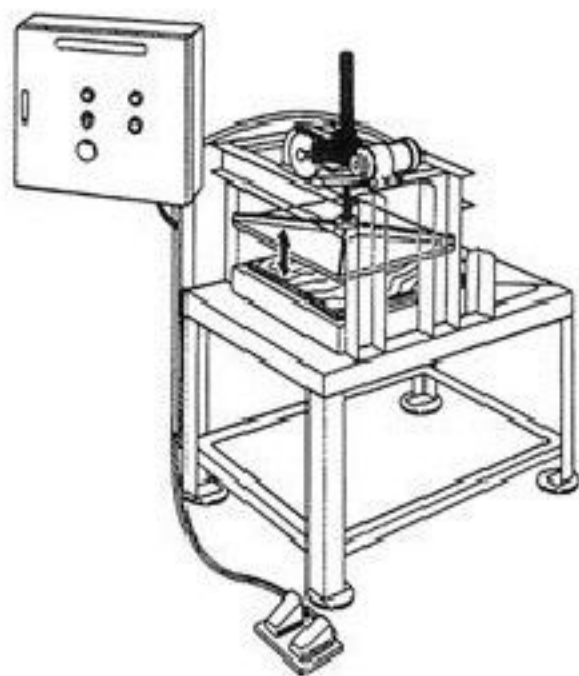
平台升降  
Ascending and descending of flat slab



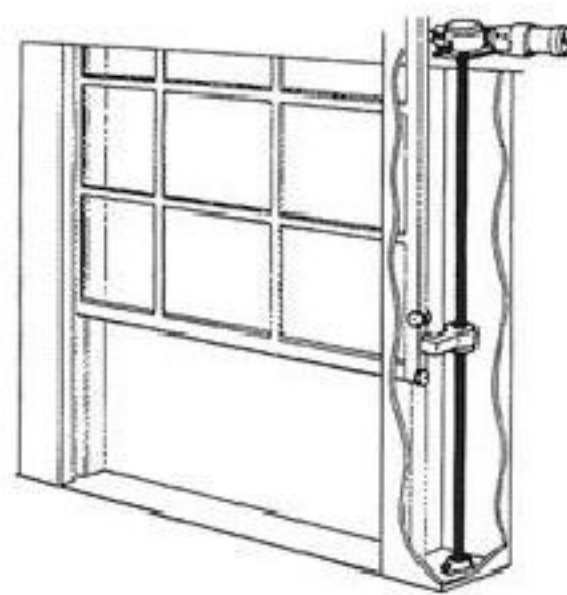
调整表面加工机的工作高度  
Adjust operation height of surface machining tool



调整滑动传送带的倾斜程度  
Adjust inclination pitch of conveyer apron



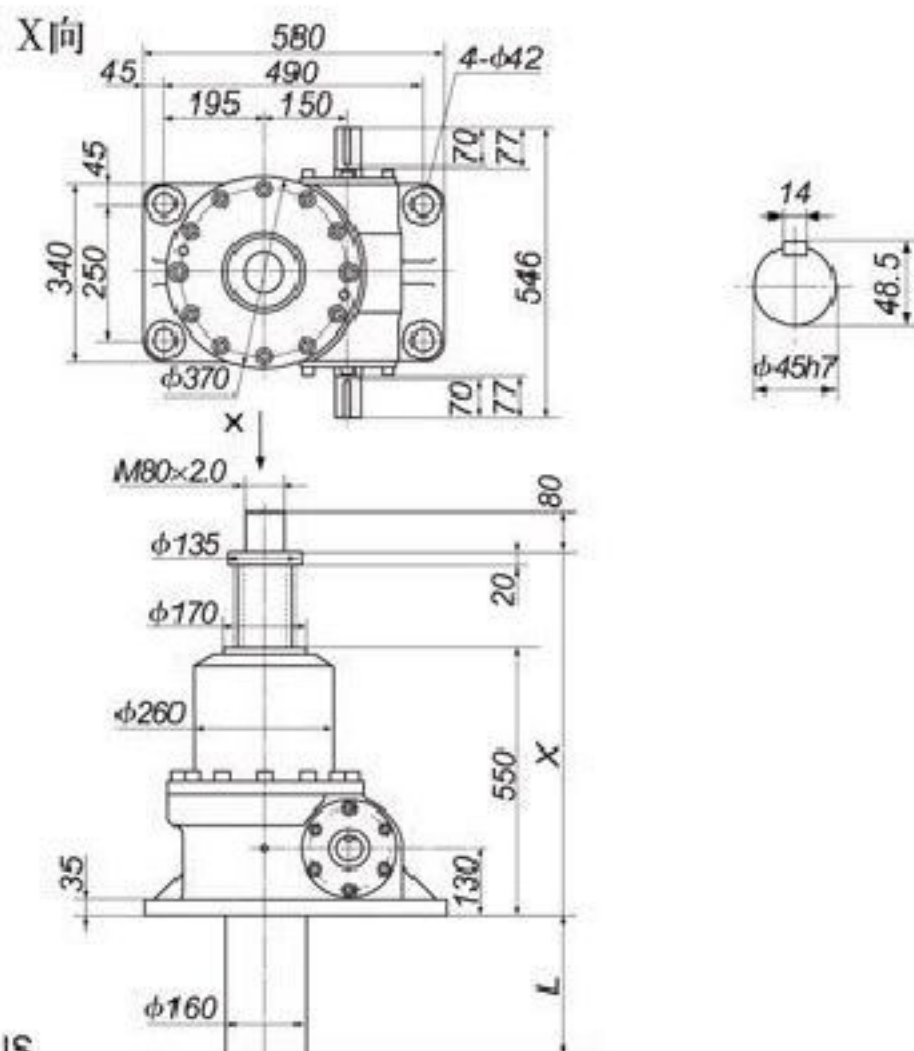
更改校正器的作业高度  
Operation height of straightening machine



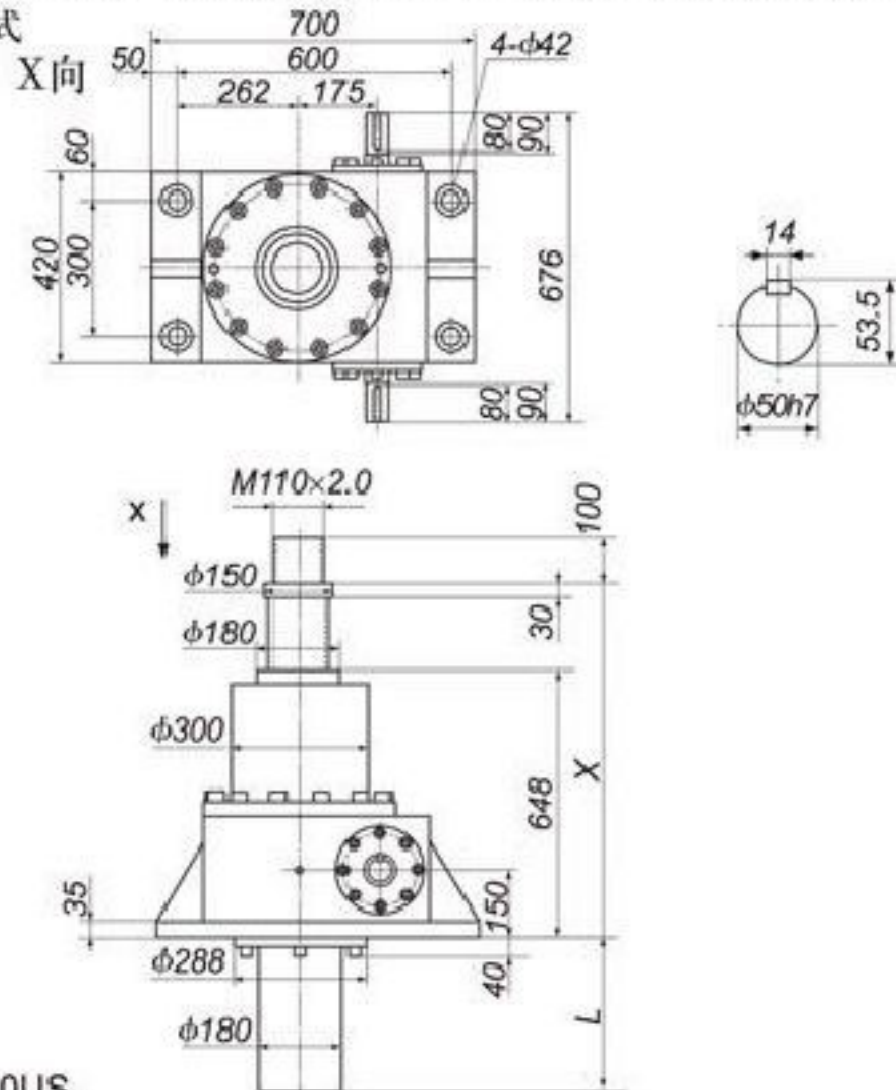
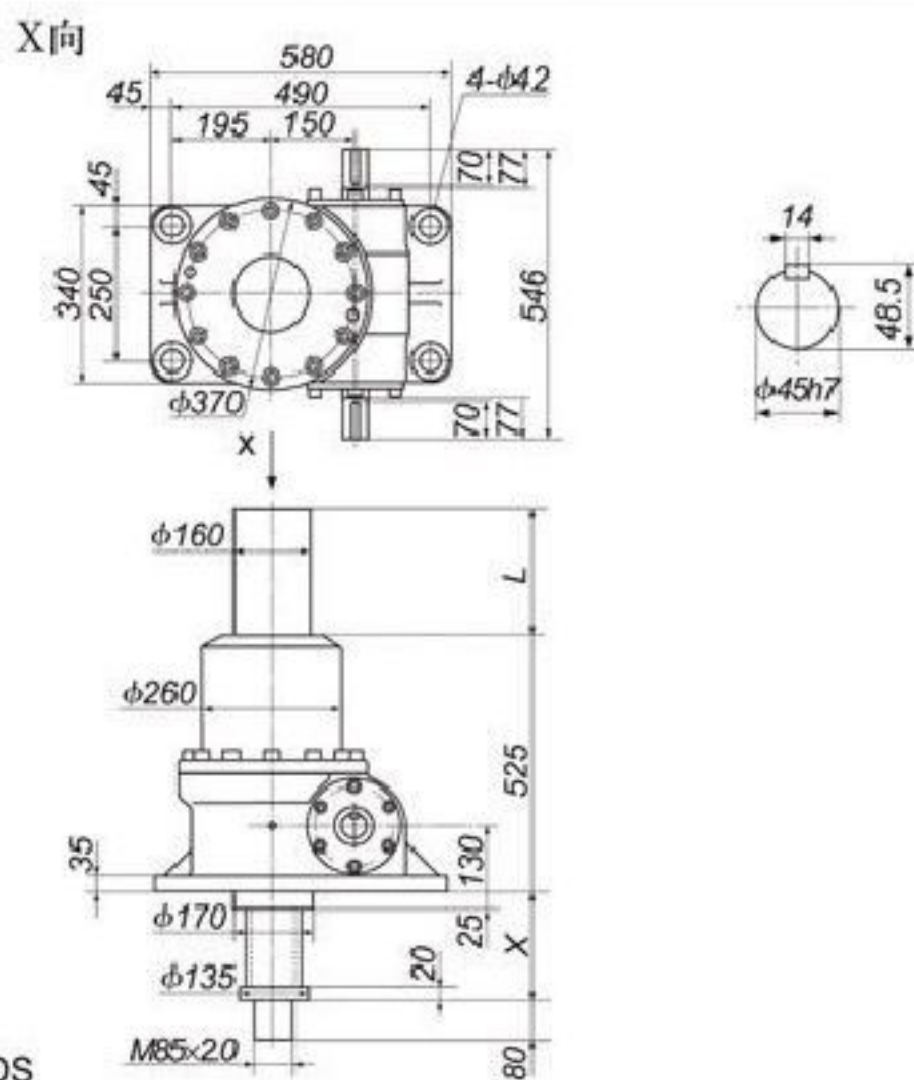
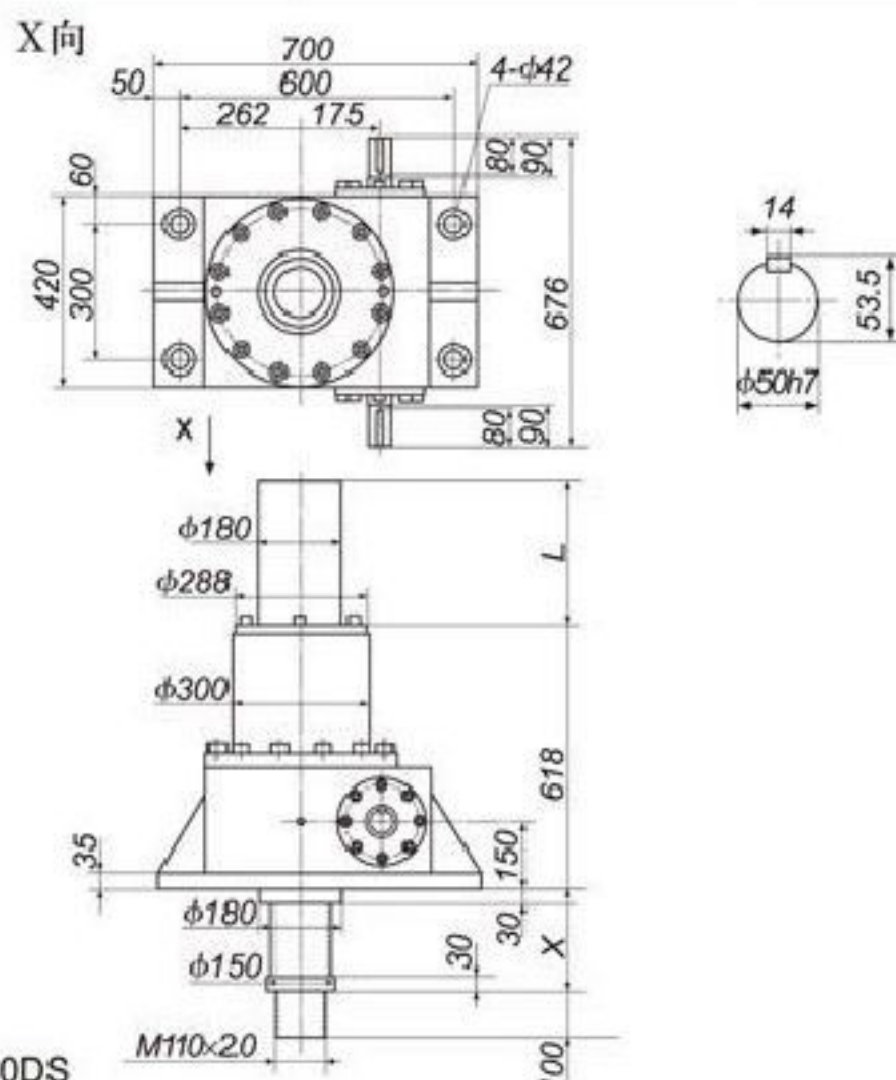
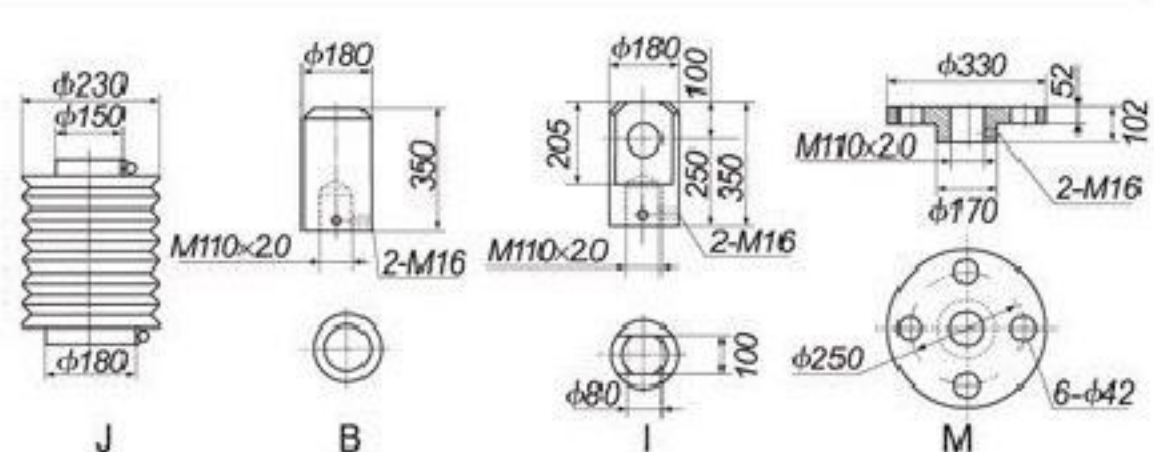
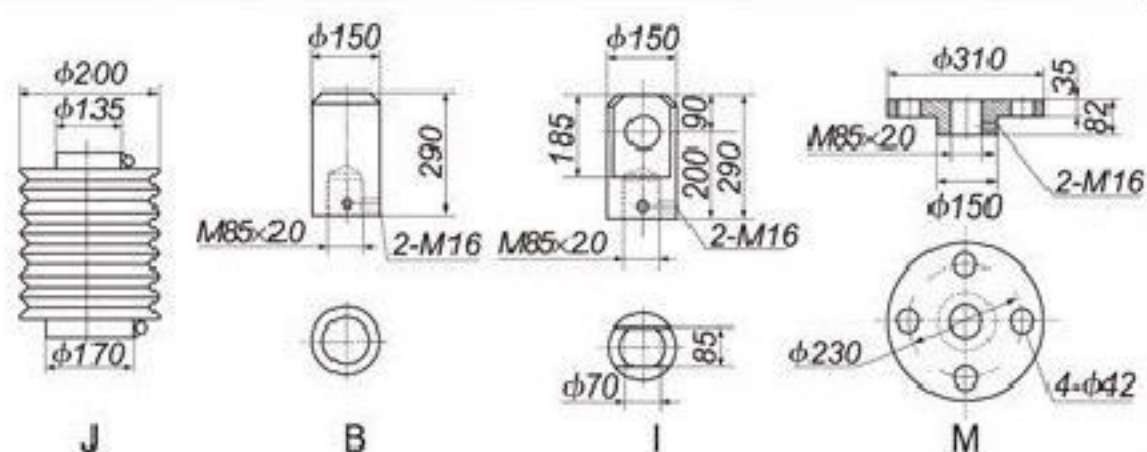
大型窗户（门）自动开关  
Automatic switch on large windows (doors)

**JWB500**

| 行程<br>(mm) | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|            | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|            | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100        | 580 | 680  | 585              | 685  | 137  | 55  | 155  | 60               | 160  | 137  | 310       |
| 200        | 580 | 780  | 585              | 785  | 237  | 55  | 255  | 60               | 260  | 237  | 320       |
| 300        | 580 | 880  | 605              | 905  | 357  | 55  | 355  | 80               | 380  | 357  | 330       |
| 400        | 580 | 980  | 605              | 1005 | 457  | 55  | 455  | 80               | 480  | 457  | 340       |
| 500        | 580 | 1080 | 615              | 1115 | 567  | 55  | 555  | 90               | 590  | 567  | 350       |
| 600        | 580 | 1180 | 615              | 1215 | 667  | 55  | 655  | 90               | 690  | 667  | 359       |
| 880        | 580 | 1380 | 630              | 1430 | 882  | 55  | 855  | 105              | 905  | 882  | 378       |
| 1000       | 580 | 1580 | 645              | 1645 | 1097 | 55  | 1055 | 120              | 1120 | 1097 | 398       |

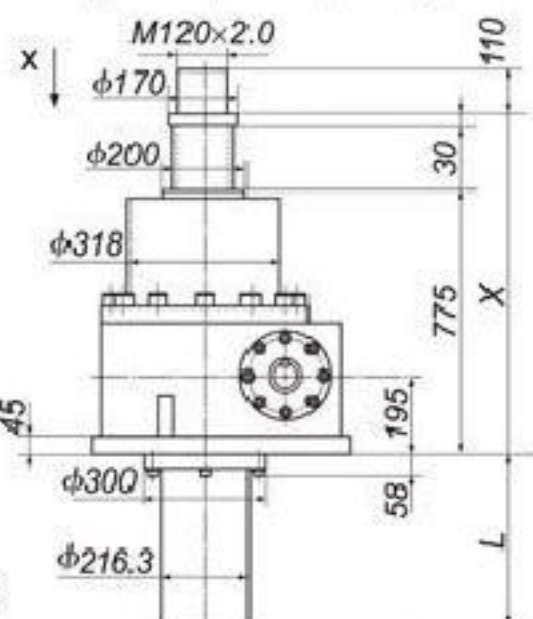
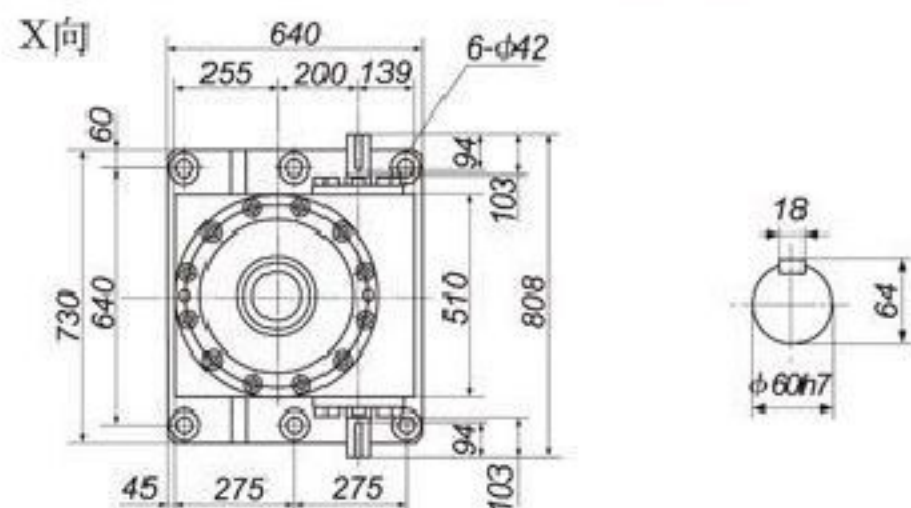
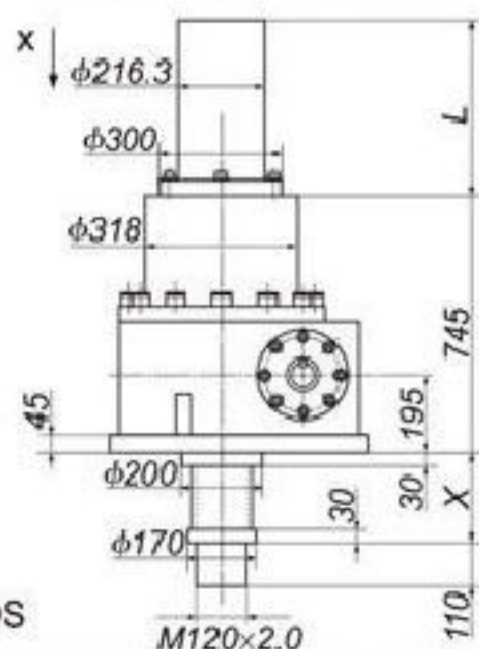
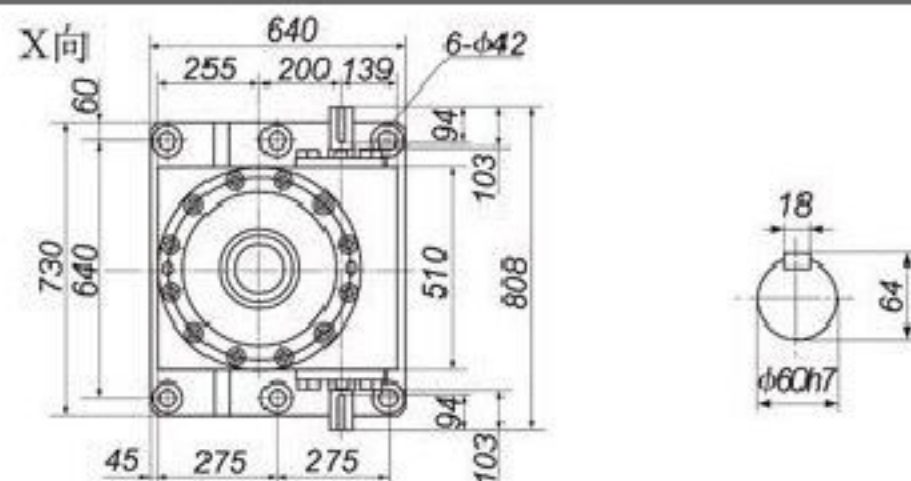
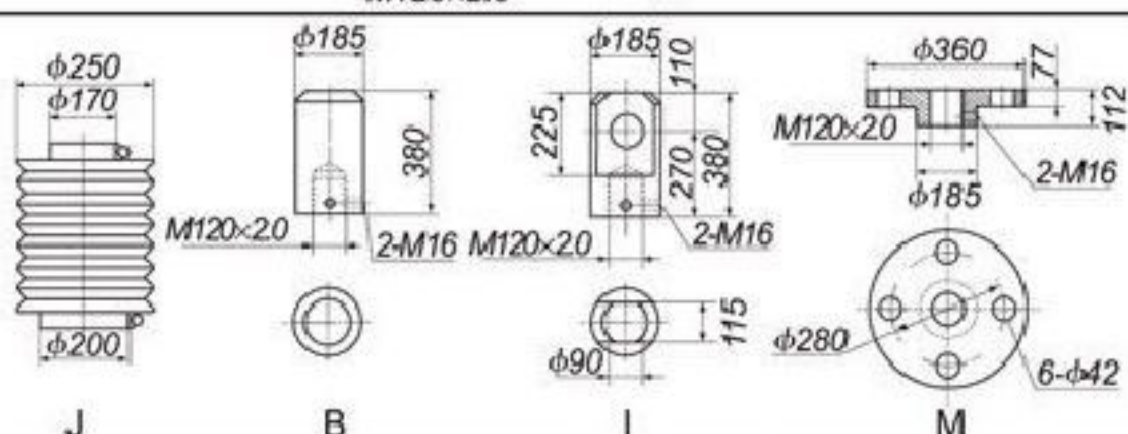
**US 押上式**

**JWB500US**
**JWB750**

| 行程<br>(mm) | U S |      |                  |      |      | D S |      |                  |      |      | m<br>(kg) |
|------------|-----|------|------------------|------|------|-----|------|------------------|------|------|-----------|
|            | X   |      | X <sup>(1)</sup> |      | L    | X   |      | X <sup>(1)</sup> |      | L    |           |
|            | MIN | MAX  | MIN              | MAX  |      | MIN | MAX  | MIN              | MAX  |      |           |
| 100        | 688 | 788  | 698              | 798  | 197  | 70  | 170  | 80               | 180  | 197  | 507       |
| 200        | 688 | 888  | 698              | 898  | 297  | 70  | 270  | 80               | 280  | 297  | 520       |
| 300        | 688 | 988  | 713              | 1013 | 412  | 70  | 370  | 95               | 395  | 412  | 536       |
| 400        | 688 | 1088 | 713              | 1113 | 512  | 70  | 470  | 95               | 495  | 512  | 550       |
| 500        | 688 | 1188 | 728              | 1228 | 627  | 70  | 570  | 110              | 610  | 627  | 566       |
| 600        | 688 | 1288 | 728              | 1328 | 727  | 70  | 670  | 110              | 710  | 727  | 580       |
| 800        | 688 | 1488 | 743              | 1543 | 942  | 70  | 870  | 125              | 925  | 942  | 610       |
| 1000       | 688 | 1688 | 753              | 1753 | 1152 | 70  | 1070 | 135              | 1135 | 1152 | 639       |

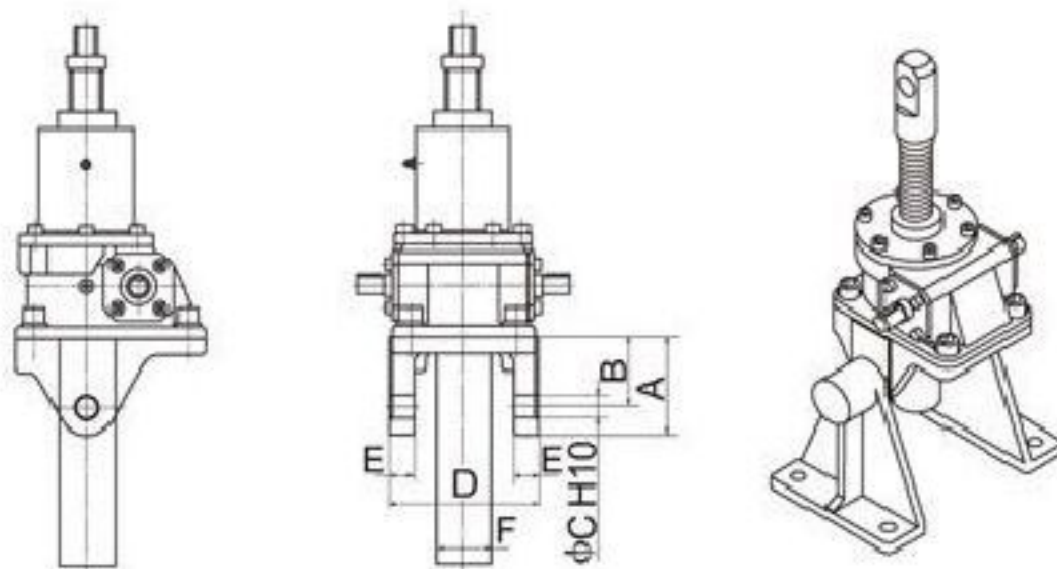
**US 押上式**

**JWB750US**

**JWB500DS**

**JWB750DS**


**JWB1000**

| 行程<br>(mm) | U S |      |                  |      |     | D S |     |                  |     |     | m<br>(kg) |
|------------|-----|------|------------------|------|-----|-----|-----|------------------|-----|-----|-----------|
|            | X   |      | X <sup>(1)</sup> |      | L   | X   |     | X <sup>(1)</sup> |     | L   |           |
|            | MIN | MAX  | MIN              | MAX  |     | MIN | MAX | MIN              | MAX |     |           |
| 100        | 815 | 915  | 825              | 925  | 197 | 70  | 170 | 80               | 180 | 197 | 926       |
| 200        | 815 | 1015 | 825              | 1025 | 297 | 70  | 270 | 80               | 280 | 297 | 943       |
| 300        | 815 | 1115 | 840              | 1140 | 412 | 70  | 370 | 95               | 395 | 412 | 962       |
| 400        | 815 | 1215 | 840              | 1240 | 512 | 70  | 470 | 95               | 495 | 512 | 979       |
| 500        | 815 | 1315 | 850              | 1350 | 622 | 70  | 570 | 105              | 605 | 622 | 997       |
| 600        | 815 | 1415 | 850              | 1450 | 722 | 70  | 670 | 105              | 705 | 722 | 1014      |
| 800        | 815 | 1615 | 865              | 1665 | 937 | 70  | 870 | 120              | 920 | 937 | 1049      |


**JWB1000US**

**JWB1000DS**

**14 附件的确认 >>>>>**
**14.1 支座(C型安装):**

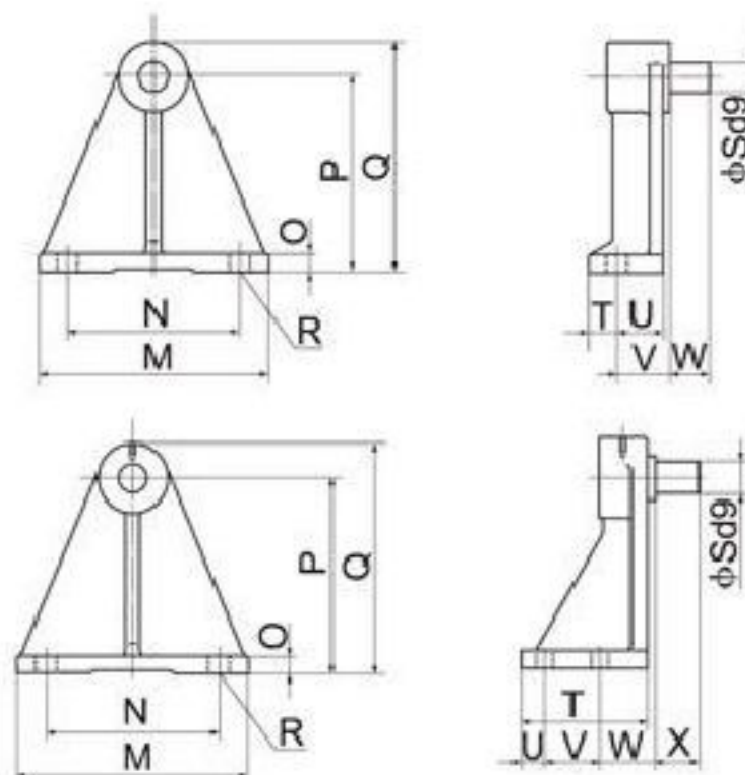
支座安装广泛应用于开关装置、倾斜装置。如图:



| 型号  | A   | B   | C  | D   | E  | F    |
|-----|-----|-----|----|-----|----|------|
| 002 | 75  | 60  | 15 | 64  | 12 | 25   |
| 005 | 75  | 60  | 15 | 64  | 12 | 25   |
| 010 | 75  | 60  | 15 | 86  | 15 | 35   |
| 025 | 100 | 75  | 20 | 115 | 20 | 45   |
| 050 | 105 | 75  | 25 | 158 | 25 | 58   |
| 100 | 145 | 100 | 40 | 201 | 30 | 76.3 |
| 150 | 155 | 105 | 50 | 224 | 44 | 76.3 |
| 200 | 173 | 110 | 63 | 244 | 50 | 89.1 |

**14.2 支架**

支座与支架配合, 实现多方位升降。



| 型号  | M   | N   | O  | P   | Q     | R     | S  | T   | U  | V  | W  | X  |
|-----|-----|-----|----|-----|-------|-------|----|-----|----|----|----|----|
| 002 | 130 | 100 | 12 | 100 | 118.5 | 2-φ12 | 15 | 15  | 28 | 30 | 15 | -  |
| 005 | 130 | 100 | 12 | 100 | 118.5 | 2-φ12 | 15 | 15  | 28 | 30 | 15 | -  |
| 010 | 180 | 130 | 15 | 150 | 178   | 2-φ18 | 15 | 25  | 40 | 45 | 17 | -  |
| 025 | 180 | 130 | 15 | 150 | 178   | 2-φ18 | 20 | 25  | 40 | 45 | 30 | -  |
| 050 | 200 | 150 | 15 | 170 | 200   | 2-φ18 | 25 | 25  | 40 | 45 | 35 | -  |
| 100 | 280 | 220 | 22 | 240 | 290   | 4-φ22 | 40 | 159 | 30 | 70 | 70 | 55 |
| 150 | 360 | 280 | 27 | 300 | 360   | 4-φ33 | 50 | 195 | 40 | 85 | 85 | 70 |
| 200 | 400 | 320 | 30 | 380 | 450   | 4-φ33 | 63 | 210 | 40 | 90 | 90 | 75 |