**Mobile rack**

1. Product Name : Removable Bookcase
2. Scope of application : This specification applies to mobile rack-making light installation works installed at the International Vaccine Research Institute.
3. Mobile rack format and specification

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| --- | --- | --- | --- |
| **Type** | **SIZE(mm)** | | **Comment** |
| **Single Fixation / Single Movement** | **Doubles Fixation / Doubles Movement** |
| Normal | 1130 \* 400/500 \* 2275 | 1130 \* 500/650/720 \* 2275 |  |
| Connected | 970 \* 400/500 \* 2275 | 970 \* 500/650/720 \* 2275 |  |

* Double Fixation: 1ea (3-line, 6-shelf)
* Single Movement: 2ea (5-line, 6-shelf)
* Double Movement: 6ea (5-line, 6-shelf)

1. Key Components

|  |  |  |
| --- | --- | --- |
| **Key Components** | **Contents** | **Comment** |
| Base | Drive part and load support part including drive wheels |  |
| Faceplate | Handle and front panel for mobile rack operation |  |
| Rail | Rail part for smooth movement of the drive caster |  |
| Body | Pillars, line segments, etc. loading space formation part |  |

1. form
   1. The shape and dimensions of the mobile shelves shall be made according to the materials and specifications of each site, and the tolerance of the finished product shall be ±2.0 mm.
   2. The specifications of the mobile shelves are determined by their width, height, and depth.
   3. The mobile shelves are constructed using a detachable side cover and a special connection structure of rollers.
   4. Each rack should have a door that can be locked using a key or password.
   5. All mobile racks should have some waterproof functionality for document protection.
   6. Every wheel and shelf must be used to withstand a load of weight that mobile rack contains with full conditions.
   7. In order to be able to run smoothly with little force during the user's operation, the internal gears must be manufactured with a large reduction ratio.
   8. For the safety of the user, a stopper device is placed on the top of the control panel to prevent the mobile shelves from being operated by others.
   9. The side that rubs against the caster must be free of wear and tear even with long periods of friction.
2. Features and Performance
   1. In the same production, the parts of the product and the parts of the constituent materials must be interchangeable.
   2. It should be made easy to assemble/dismantle and manufactured so that it is possible to increase or decrease the line in the future.
   3. The singular adjustment of the shelf must be free to maximize the storage efficiency.
   4. Between the shelves and the shelves, a shock buffer rubber should be attached to absorb the impact.
   5. The body must not have torsion, deformation, cracks and must be of perfect quality for use.
   6. Products are delivered in individual packaging and must not be damaged or damaged during transportation.
3. Processing
   1. All materials used must be free of deformation, cracking, and defects in the joints .
   2. Areas where the surface is widely exposed, such as the side, back plate, and shelf, are made by inserting at least 1 copy of the reinforcement.
   3. The human body and the parts that come into contact with the article should not have sharp protrusions or edges.
4. Surface treatment and painting
   1. The paint surface shall be free of irregularities, blotches, peeling, and uniform thickness, gloss, and hue of the paint.
   2. The coating uses a durable paint that is equal to or greater than the coating prescribed for epoxy polyester powder coatings.
   3. All seals are degreased and coated pre-treated to completely remove impurities and then paint.