

# Screw Jacks



Linear Actuation Technology, Precise Positioning, Motion Drives and Controls

## Worm Gear Screw Jack Classic Metric series-MWJ

Lifting Capacity: 0.25 Tons to 250 Tons  
Ratios Available  
Slow: 20:1, 24:1, 32:1, 36:1  
Normal: 5:1, 6:1, 8:1, 23:3, 32:3, 12:1  
(Refer catalogue for details)

Translating Screw, Upright  
Type-1, Design-A

Rotating Screw, Upright  
Type 2, Design A

## Worm Gear Screw Jack Classic Inch series-IMA

Lifting Capacity: 0.25 Tons to 250 Tons  
Ratios Available  
Slow: 20:1, 24:1, 32:1, 36:1  
Normal: 5:1, 6:1, 8:1, 23:3, 32:3, 12:1  
(Refer catalogue for details)

Translating Screw, Inverted  
Type-1, Design-B

Rotating Screw, Inverted  
Type 2, Design B

## Worm Gear Screw Jack Cubical series-CWJ

Lifting Capacity: 0.5 Tons to 100 Tons  
Mounting: Upright or Inverted  
Ratios Available  
Slow: 20:1, 30:1, 32:1, 36:1  
Normal: 5:1, 10:1, 10.67:1, 12:1  
(Refer catalogue for details)

## Modified Cubical Worm Gear Screw Jack series-MCJ

Lifting Capacity: 0.5 Tons to 50 Tons  
Mounting: Upright or Inverted  
Ratios Available  
Slow: 16:1, 24:1, 28:1, 36:1, 40:1, 56:1  
Normal: 4:1, 6:1, 7:1, 9:1, 10:1, 14:1  
(Refer catalogue for details)

## High Efficiency Worm Gear Screw Jack series-WGJ

Lifting Capacity: 0.5 Tons to 100 Tons  
Mounting: Upright or Inverted  
Ratios Available  
Slow: 16:1, 20:1, 24:1, 28:1, 32:1, 40:1  
Normal: 4:1, 5:1, 6:1, 7:1, 8:1, 10.67:1  
(Refer catalogue for details)

## Quick Lifting Bevel Gear Screw Jack series-BGJ (Metric/Inch)

Lifting Capacity: 0.5 Tons to 100 Tons  
Ratio available: 2:1, 3:1, 3.5:1  
Total efficiency upto 45%.  
Two rotary outputs in line and at 90 deg in addition to screw output.  
(Refer catalogue for details)

## Worm Gear Screw Jacks - Ball Screw Version

CWJ BS, Ball Screw version

- 3 models.
- Lifting capacity from 7.5 kN to 87 kN.
- Ball screw dia from 20 to 80mm.
- Speed upto 5m/min

Other Ball Screw versions (Non Catalogued)

- IMA BS (Classic)
- MWJ BS (Classic)
- MCJ BS (Classic)
- WGJ BS (High Performance)
- BGJ BS (Quick Lifting)

(Refer catalogue for details)

### Materials of Construction:

- Housing: Aluminium (Loads up to 1 Ton)  
Spheroidal Graphite Iron for Other sizes
- Worm wheel: Aluminium-Bronze/ Phosphorous Bronze
- Lifting Screw: Self Locking Trapezoidal Machine Screw, Medium Carbon Alloy steel, Hardened and Tempered.
- Worm shaft: Case hardened Material with Ground Threads.
- Motor flange: IEC standard Motor flange available.
- Lubrication: Grease or Oil lubricated.

Note: Images shown are only conceptual - Non certified



**Gears and Gear Drives (India) Pvt Ltd**  
An ISO 9001-2015 Certified Company & CE certified Lifting Systems

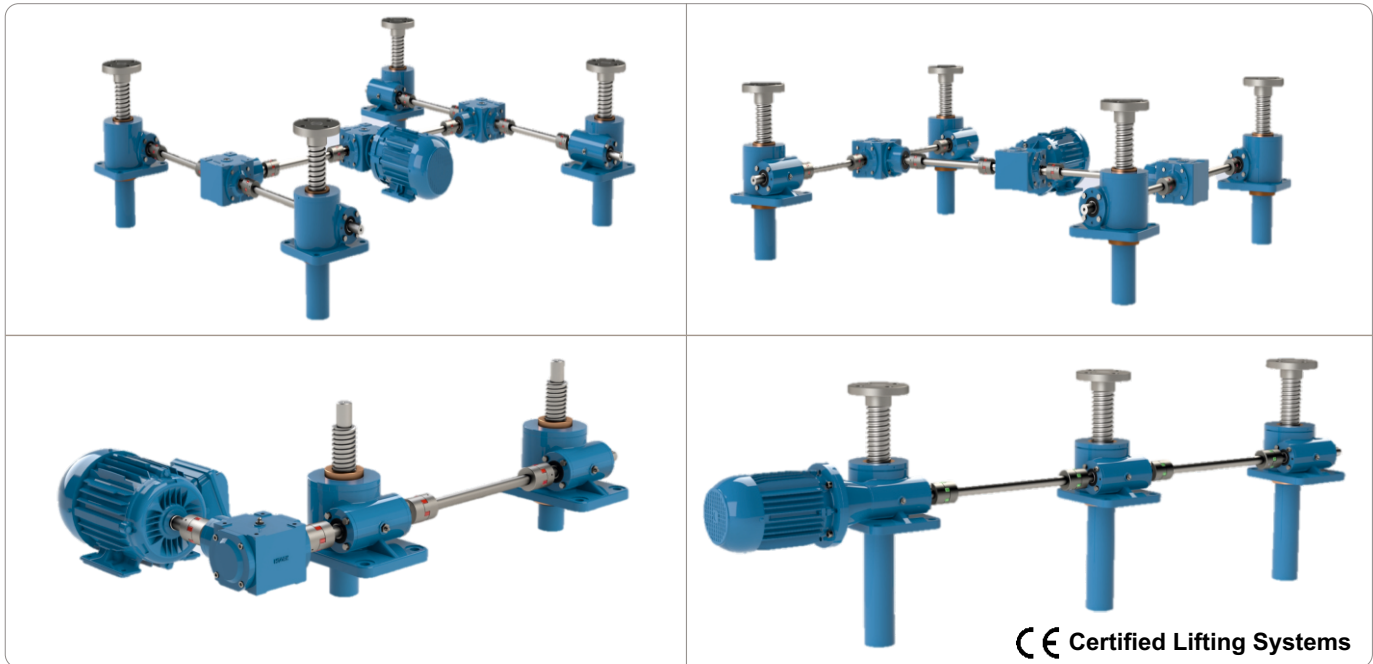


CERTIFICATE No. 177024  
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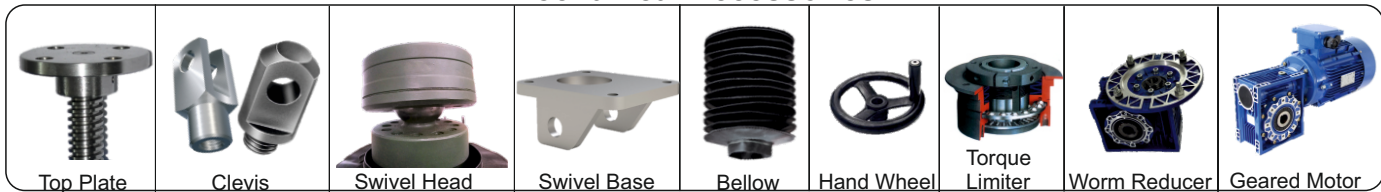
Linear Actuation Technology, Precise Positioning, Motion Drives and Controls  
HiTork Can Design and Supply Complete Lifting Systems



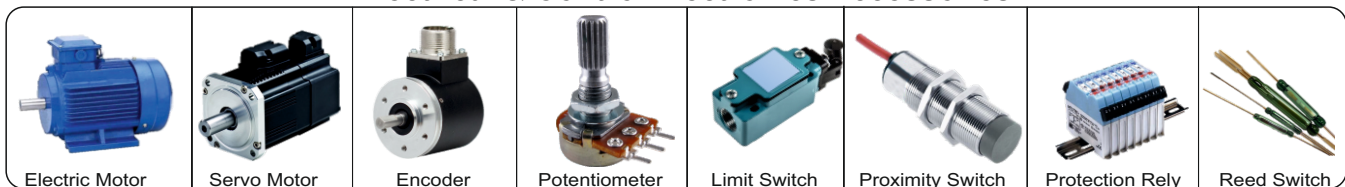
CE Certified Lifting Systems

Hand wheel/ hand crank provided for manual operation for smaller load capacity. Refer catalogue for various other possibilities.

## Mechanical Accessories



## Electrical & Control Electronics Accessories



### End Applications

- Industrial Automation
- Ship Maintenance
- Energy
- Defence
- Agricultural Machineries
- Off Road Vehicles
- Textile Machineries
- Railways
- Antenna Positioning
- Food Processing
- Rubber Processing
- ERW Tube Welding
- Grain Processing plant
- Cooling Towers
- Solar Panels
- Slitting Line
- Ceramic Industry
- Air Craft Maintenance
- Extruders
- Binding Equipments
- Pipe making machines
- Paper and Pulp Machineries
- Printing Industry
- Process Machineries
- Plastic Extruders
- Power Plants

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