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Screw Hoist For Sluice Gate

Introduction

MHP series manual screw hoist for sluice gate: A manual screw stem hoists, or hand screw gate hoist, is widely used in the water plant, sewage treatment plant, all kinds of to drainage engineering, water conservancy and hydro-power projects. They are used to control all types of large and medium-sized iron and steel gates, vertical slide gates, jet flow gates and fixed cone valves to reach the lift gate opening and closing purposes. Typically, one or two (dual) screw stems are connected to the gate and extended in the direction of travel. The screw stems are threaded and driven through a bronze drive nut that is rotated by hand (handwheel). The screw stem diameter from 27mm to 50mm. The hoisting load capacity from 300 kg to 3 ton. The closing load capacity from 150 kg to 1.5 ton. About screw stem travel length (stroke) which is customized following clients requirements.

Model	Hoisting Load Capacity (Ton)	Closing Load Capacity (Ton)	Screw Stem Sizes (MM)		
			Overall Length	Threads Length	Diameter
MHP-0.3T	0.3	0.15	800	500	27
MHP-0.5T	0.5	0.25	1000	700	28
MHP-1.0T	1	0.5	1500	1000	32
MHP-2.0T	2	1	2000	1500	40
MHP-3.0T	3	1.5	2500	2000	50

MST series manual screw hoist for sluice gate: A manual screw gate hoists is widely used in the water plant, sewage treatment plant, all kinds of to drainage engineering, water conservancy and hydro-power projects. They are used to control all types of large and medium-sized iron and steel gates, vertical slide gates, jet flow gates and fixed cone valves to reach the lift gate opening and closing purposes. Typically, one or two (dual) screw stems are connected to the gate and extended in the direction of travel. The screw stems are threaded and driven through a bronze drive nut that is rotated by hand (hand wheel). The screw stem diameter from 28mm to 50mm. The hoisting load capacity from 0.5 ton to 3 ton. The closing load capacity from 0.25 ton to 1.5 ton. About screw stem travel length (stroke) which is customized following clients requirements.

Model	Hoisting Load Capacity (Ton)	Closing Load Capacity (Ton)	Hoisting Speed (MM/Min)	Hand Turning Force (KG)	Screw Stem Sizes (MM)		
					Overall Length	Threads Length	Diameter
MST-0.5T	0.5	0.25	188	6	1000	700	28
MST-1.0T	1	0.5	188	9	1500	1000	32
MST-2.0T	2	1	174	21	2000	1500	40
MST-3.0T	3	1.5	235	28	2500	2000	50

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ME series electric screw hoist for sluice gate: A electric screw stem hoists, or electric motor screw gate hoist, adopts screw stem for transmission to implement opening and closing of sluice gates, check gates, penstock gates, channel gates, wagon penstocks, wall penstocks, gate damper, channel penstocks, large and medium-sized iron and steel gates, vertical slide gates, jet flow gates and fixed cone valves in the water plant, sewage treatment plant, all kinds of to drainage engineering, canals and rivers, water conservancy and hydro-power projects. Typically, one or two (dual) screw stems are connected to the gate and extended in the direction of travel. The screw stems are trapezoidal threaded and driven through a bronze drive nut that is power driven by electric motor. Simple installation and maintenance, light and flexible operation. The screw stem diameter from 50mm to 130mm. The hoisting load capacity from 3 ton to 50 ton. The closing load capacity from 1.5 ton to 25 ton. About screw stem travel length (stroke) which is customized following clients requirements. Travel speed (manually) 10 mm/min to 16 mm/min, Travel speed (electrically) 211 mm/min to 351 mm/min. Electric motor power from 1.1 kw to 11 kw.

Model	Hoisting Load Capacity (Ton)	Closing Load Capacity (Ton)	Hoisting Height (M)	Hoisting Speed (MM/Min)		Screw Stem Sizes (MM)			Motor Power (kW)
				Manual	Electric	Overall Length	Threads Length	Diam.	
ME-3T	3	1.5	3	12	323	2500	2000	50	1.1
ME-5T	5	2.5	3	12	323	3500	3000	55	1.5
ME-8T	8	4	3.5	16	310	4000	3500	70	2.2
ME-10T	10	5	4	16	310	4500	4000	75	2.2
ME-12T	12	6	4	16	310	4500	4000	80	2.2
ME-15T	15	7.5	4.5	11	351	5000	4500	85	3
ME-20T	20	10	4.5	11	351	5500	5000	90	3
ME-25T	25	12.5	4.5	10	211	6000	5500	95	4
ME-30T	30	15	4.5	10	233	6000	5500	100	5.5
ME-40T	40	20	4.5	10	233	6000	5500	120	7.5
ME-50T	50	25	4.5	10	233	6000	5500	130	11

MED series motorized screw hoist for sluice gate: A motorized screw gate hoists adopts screw stem for transmission to implement opening and closing of sluice gates, check gates, penstock gates, channel gates, wagon penstocks, wall penstocks, gate damper, channel penstocks, large and medium-sized iron and steel gates, vertical slide gates, jet flow gates and fixed cone valves in the water plant, sewage treatment plant, all kinds of to drainage engineering, canals and rivers, water conservancy and hydro-power projects. Typically, one or two (dual) screw stems are connected to the gate and extended in the direction of travel. The screw stems are trapezoidal threaded and driven through a bronze drive nut that is power driven by electric motor. Simple installation and maintenance, light and flexible operation. The screw stem diameter from 50mm to 150mm. The hoisting load capacity from 3 ton to 60 ton. The closing load capacity from 1.5 ton to 30 ton. About screw stem travel length (stroke) which is customized following clients requirements. Travel speed (manual operation) 84 mm/min to 376 mm/min, Travel speed (motorized) 125 mm/min to 500 mm/min. Electric motor power from 1.1 kw to 11 kw.

Model	Hoisting Load Capacity (Ton)	Closing Load Capacity (Ton)	Hoisting Height (M)	Hoisting Speed (MM/Min)		Screw Stem Sizes (MM)			Motor Power (kW)
				Manual	Electric	Overall Length	Threads Length	Diam.	
MED-3T	3	1.5	3	313	500	2500	2000	50	1.1
MED-5T	5	2.5	3	376	420	3500	3000	55	1.5
MED-8T	8	4	3.5	164	204	4000	3500	70	2.2
MED-10T	10	5	4	164	204	4500	4000	75	
MED-12T	12	6	4	164	204	4500	4000	80	
MED-15T	15	7.5	4.3	84	156	5000	4500	85	3
MED-20T	20	10	4.3	84	156	5500	5000	90	3
MED-25T	25	12.5	4.3	84	156	6000	5500	95	4
MED-30T	30	15	4.5	88	156	6000	5500	100	5.5
MED-40T	40	20	4.5	88	156	6000	5000	120	7.5
MED-50T	50	25	4.5	120	125	6000	5000	130	11
MED-60T	60	30	4.5	120	125	6000	5000	150	11

Double points screw hoist for sluice gate: A double points screw stem hoists, or two (dual) screw stems screw drivers systems are connected to the gate and extended in the direction of travel. Which adopts screw stem for transmission to implement opening and closing of large and medium-sized iron and steel gates, vertical slide gates, sliding gates, penstock gates, channel gates, sluice gates, check gates, wagon penstocks, wall penstocks, gate damper, channel penstocks and fixed wheel gates in the water plant, sewage treatment plant, all kinds of to drainage engineering, canals and rivers, water conservancy and hydro-power projects. The double screw stems are trapezoidal threaded and driven through a bronze drive nut that is rotated by hand wheel or electrical motor. Simple installation and maintenance, light and flexible operation. The Jacton double screw stems diameter from 50mm to 150mm. The hoisting load capacity from 2 x 3 ton to 2 x 60 ton. The closing load capacity from 3 ton to 5.5 ton. About screw stem travel length (stroke) which is customized following clients requirements. Travel speed (motor drive) 155 mm/min to 500 mm/min. Electrical motor power from 2.2 kw to 22 kw.

Model	Hoisting Load Capacity (Ton)	Closing Load Capacity (Ton)	Hoisting Height (M)	Hoisting Speed (MM/Min)	Screw Stem Sizes (MM)			Motor Power (kW)
					Overall Length	Threads Length	Diam.	
MET-2 x 3T	6	3	3	500	2500	2000	50	2.2
MET-2 x 5T	10	5	3.5	420	3500	3000	55	3
MET-2 x 8T	16	8	3.5	204	4000	3500	70	4
MET-2 x 10T	20	10	4	204	4500	4000	75	
MET-2 x 12T	24	12	4	204			80	
MET-2 x 15T	30	15	4.3	156	5000	4500	85	5.5
MET-2 x 20T	40	20	4.3	156	5500	5000	90	
MET-2 x 25T	50	25	5	156	6000	5500	95	7.5
MET-2 x 30T	60	30	5	156			100	
MET-2 x 40T	80	40	5.5	156	6000	5500	120	15
MET-2 x 50T	100	50	5.5	155			130	22
MET-2 x 60T	120	60	5.5	155			150	22

About Us

Jacton Industry Co.,Ltd (VAT No.: 9144190007026567X3, registered Capital 500000CNY) is a leading manufacturer and supplier in China for screw jacks (mechanical actuators), bevel gearboxes, screw jacking systems and accessories, linear actuators, gearmotor and speed reducers, and others linear motion and power transmission products. We are Alibaba, Made-In-China and SGS (Serial NO.: QIP-ASI192186) audited manufacturer and supplier. We also have a strict quality system, with senior engineers, experienced skilled workers and practiced sales teams, we consistently provide the high quality equipments to meet the customers electro-mechanical actuation, lifting and positioning needs. Jacton Industry guarantees quality, reliability, performance and value for today's demanding industrial applications.

Advantages

1. International standard materials for All Jacton brand products. We insist on choosing brand suppliers to supply the high quality raw materials to control the producing process. Optimization constantly the production processes, inspecting in each link and managing production site.
2. 100% quality assured with double quality inspections. The quality inspection by quality inspectors from processing to finished products as the first time. Before packing, the corresponding sales engineers must inspect the orders following the paper drawings, order quantities and special markings in the invoice or sales contracts as the second time.
3. 100% safety transportation. Packing with strong standard export plywood cases materials (free fumigation), inner packing with epe foams to prevent products swaying and outer packing with iron sheets and fasteners to fasten the packages.
4. Internationl sales engineers have professional knowledge and skills on our standard products and service. They have enough ability to solve the basic technical problem immediately whatever by phone, online chat, face to face communications.
5. All the standard products with 2D CAD Drawings (PDF, DWG and DXF formats), and 3D CAD Models (STEP, STP, MODEL, IGS, PRT and CATParT formats).
6. Custom design available, OEM service available, Free engineering advice, Free quotes available and Customer label available.
7. Inspection equipments include motor with inverter drive system, height adjustmemt motorized lifting system, coordinate measuring machines, outside micrometers, inside micrometers, depth calipers, vernier calipers, digital calipers, hardness testers, digital noise meters, industrial infrared thermometers, digital speed measuring instruments, digital multimeters, and high precision clamp digital ammeter etc.
8. Processing with modern advanced machines such as CNC gear hobbing machines, CNC flank grinding machines, CNC cylindrical grinding machines, multi-axis CNC milling machines, CNC lathes and others equipments.

Products List

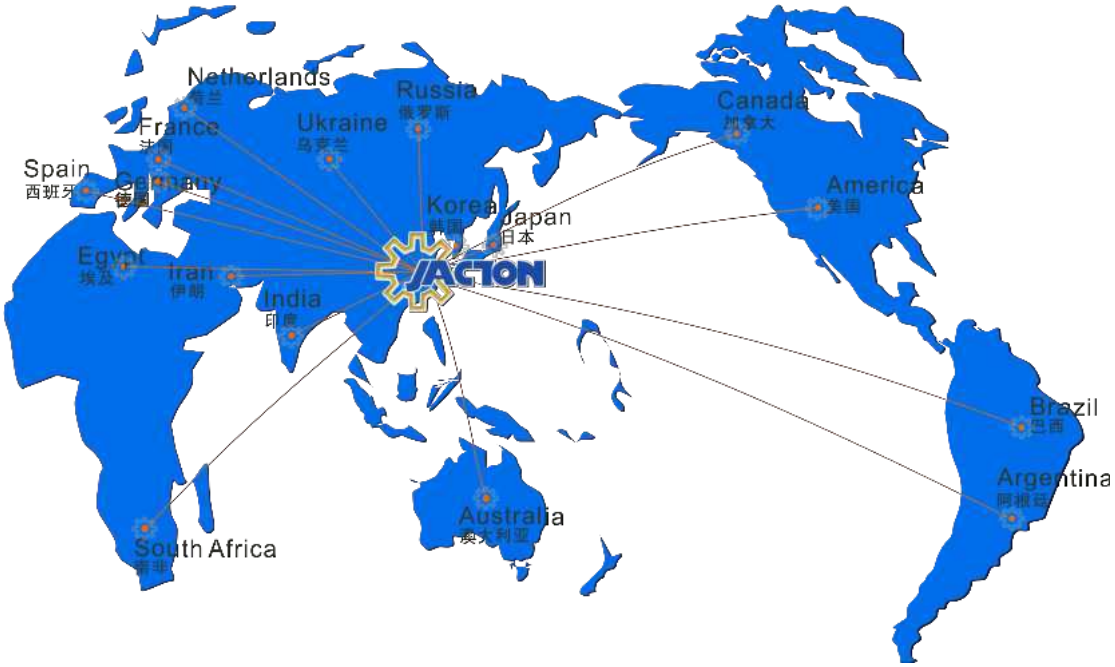
1. Manual screw jack, Electric screw jack.
2. Screw Jacks Series: JT series acme screw jack, JTC series cubic screw jack, JTW series machine screw jack, JTM series worm screw jack, JTB series ball screw jack, JTD series cubic ball screw jack, JSS series stainless steel screw jack, JTS series bevel gear screw jack, Non-standard series screw jack.
3. Bevel Gearboxes Series: JT series bevel gearbox, JTP series cubic bevel gearbox, JTA series aluminum bevel gearbox.
4. Screw Jack Systems and Accessories: two-jack system, three-jack system, four-jack system, six-jack system, and eight-jack system. Jacking systems accessories include coupling, universal joint, cardan shaft, connecting shaft, electric motor, geared motor and reducer, hand wheel with crank handle, pillow block bearing, flange block bearing, rod end bearing, stop nut, limit switch, safety nut, travel nut, linear shaft and bearing, linear guide and bearing, telescopic spring cover, bellow boot, protective tube, trunnion adapter plate, trunnion mounting bracket, motor flange, rotary encoder, potentiometer, frequency inverter and position indicator etc.
5. Linear Actuators Series: Parallel linear actuator with 3-phase AC motor, Inline linear actuator with 3-phase AC motor.
6. Gearmotors and Speed Reducers Series: helical gearmotor R series, helical bevel gearmotor K series, parallel shaft helical gearmotor F series, helical worm gearmotor S series, small AC gear motor series and worm gear motor reducer series.

Finished Projects

1. Theatrical solutions stage and orchestra platform lifts projects. Customers are from France, Australia, Netherlands, United Kingdom, Spain and Canada.
2. Hydroelectric power station projects and water conservancy projects. Customers are from Vietnam, Australia, Malaysia, Russian Federation, Nepal, Pakistan, Belgium, United States and United Kingdom.
3. Aircraft maintenance platforms and docking systems projects. Customers are from Pakistan, Singapore and United Arab Emirates.
4. Solar panel tracking system projects. Customers are from Spain, India and Canada.
5. Bolted steel storage tanks and silos lifting solutions. Customers are from South Africa, United States, Mexico, Russian Federation, Brazil and Vietnam.
6. Dish antenna elevation and azimuth positioning projects. Customers are from Singapore, Malaysia and United States.
7. Railway wagon projects. Customers are from South Africa.
8. Beverage can production lines. Customers are from Netherlands, United States, Thailand and Indonesia.
9. Steel factories production lines. Customers are from Iran, United States and Turkey.
10. Continuous PU sandwich panel production lines. Customers are from Thailand and United Kingdom.

Customers Distribution Areas

1. American Countries: United States, Mexico, Canada, Chile, Bolivia, Brazil, Colombia, Dominican Republic, Honduras, Costa Rica, Panama, Puerto Rico, Jamaica, Trinidad and Tobago, Aruba, Argentina, Peru, Venezuela.
2. European Countries: Russia, Germany, Turkey, France, United Kingdom, Italy, Spain, Ukraine, Poland, Romania, Netherlands, Belgium, Greece, Czech Republic, Portugal, Sweden, Hungary, Belarus, Austria, Switzerland, Bulgaria, Denmark, Finland, Slovakia, Norway, Ireland, Croatia, Georgia, Armenia, Lithuania, Slovenia, Estonia, Cyprus, Luxembourg, Iceland.
3. Asian Countries: Malaysia, Indonesia, Singapore, Pakistan, Philippines, Vietnam, United Arab Emirates, Thailand, Saudi Arabia, Iran, Turkey, India, Nepal, Yemen, Taiwan, Sri Lanka, Israel, Jordan, Kuwait, Qatar.
4. Oceanian Countries: Australia, New Zealand, Fiji.
5. African Countries: South Africa, Egypt, Ethiopia, Nigeria, Kenya, Tanzania.



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