

ZENITH

ACCURATE
MECHANICAL INDUSTRIES

A Leading Manufacture of "ZENITH" Brand Material Handing Equipments & Lifting Solutions

Mfrs. of : Electric Wire Rope Hoist, Electric Chain Hoists
Overhead Eot Crane, Crab Winches, Gantry Cranes, JIB Cranes
Goods Lift, Electric Chain Pulley Blocks, Fabricators & Erectors



About us.....

Material handling is an important and integral part of industry. Where lifting and shifting or lowering of materials take place constantly. **Accurate Mechanical Industries** is a well-known and an established manufacture and exporter of material handling and lifting equipments. The company was established in 2004. Specialized in manufacturing of most advanced and perfect system for material handling equipments and is equipped with excellent and high class technology and practical experience of qualified technocrat.

Accurate Mechanical Industries specializing design and manufacturing of ELECTRIC WIRE ROPE HOISTS, E.O.T. CRANES, H.O.T. CRANES, ELECTRIC CHAIN HOISTS, ELECTRIC POWER WINCHES, JIB CRANES, GANTRY CRANES, MANUAL CHAIN HOISTS CRAB WINCHES ETC. We have confidence in offering outstanding products, additional good service and in time delivery. Our products are well accepted and affirmed by famous various industries such as Steel fabrication, cable, cement plants, construction, die casting, fastener, food processing, footwear, furnace, heavy fabrication, galvanizing, glass, power generator, hydro electric projects, injection molding, pressure vessel & tank, rolling mills, forging, paper mills, leathers, rubber, textile, foam, air conditioning, metal, autornobile industries and so on. In order to improve the quality of products and increases theefficiency of finished products. We all do our best

" ZENITH " cranes have the unique virtues of less wheel load, less weight and extremely low failure rate. They are the most ideal and economic upgrading products for traditional lifting equipments. Since its establishment, the company has been devoted to the development and renovation of lifting equipments and accumulated rich experience from practice and good comments from our prestigious customer.

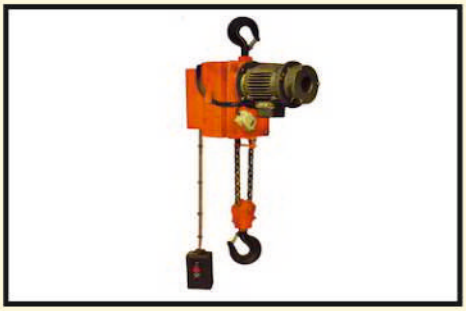
Our Product Range



OVERHEAD EOT CRANES



ELECTRIC WIRE ROPE HOIST



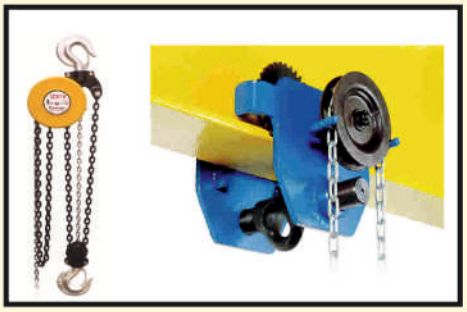
ELE. CHAIN HOIST



GOODS LIFT



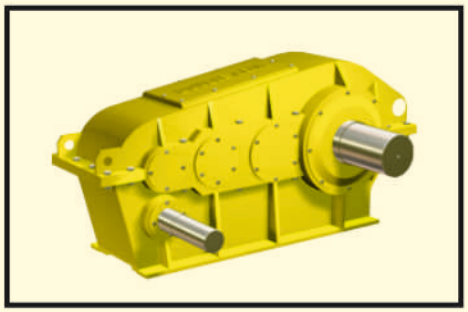
GANTRY CRANE



CHAIN PULLEY BLOCKS
& TRAVELLING TROLLEY



CRAB TROLLEY



GEAR BOXES



HYDRAULIC LIFTING TABLE



HYDRAULIC STACKER



HYDRAULIC JIB CRANE



HYDRAULIC PALLET TRUCK

OVERHEAD EOT CRANES



We manufacture overhead EOT Crane which is fabricated using optimum quality raw material and components like MS sheets, MS angles, I beam, motors, brakes. Our range is designed in such way that can bear loads ranging up to 300 tons. These are extensively used in foundry, machine shop, engineering industry. We also offer customization on our range as per the specification of clients.



Some of the unique features of Overhead EOT Cranes include:

- High performance
- Durable
- Sturdy
- Easy maintenance
- Corrosion resistance



Our array of EOT Cranes/SG EOT Cranes/ DG EOT Cranes is developed using finest quality raw material and components such as MS sheets, MS angles, I beam, motors, brakes. These are ideal for power house cranes where these cranes are used for maintenance. Our high performance gamut requires low maintenance an can be tailored as per the demand of clients.

Following are the unique attributes of EOT cranes :

- Optimum design of the structure avoiding dead weight and reducing the cost of the equipment.
- Very much suitable for power house cranes where these cranes are used for maintenance.
- Economical design by providing manual long and cross travel facility with a provision for using either and electric hoist or a motorized chain pulley block.
- Low head room which in turn reduces the cost of the shed/building.
- Customized design to match the budget of the customer.
- Highly Competitive Prices.



Single Girder Cranes



STANDARD FEATURES:-

DESIGN:
Compact dimensions, low weight, easy to operate and easy to maintain.

MOTORS:
Motors will be Crane duty motors, squirral cage induction motors for hoists and cranes also slipering induction motors will be provided for heavy duty cranes as per the applications.

GEAR BOEXS :
Precision flat helical /spur gear units in light alloy housings with case-hardened gears, high-grade surface treatment and permanent oil /grease lubrication.

BRAKES :
Single / Dual-disc electromagnetic DC brakes featuring automatic braking on power failure.

LIMIT SWITCHES :
To prevent over hoisting & over lowering of hook.

PUSH BUTTON STATIONS :
Extra light, handy, easy to operate, aluminum, fabricated from extruded section.

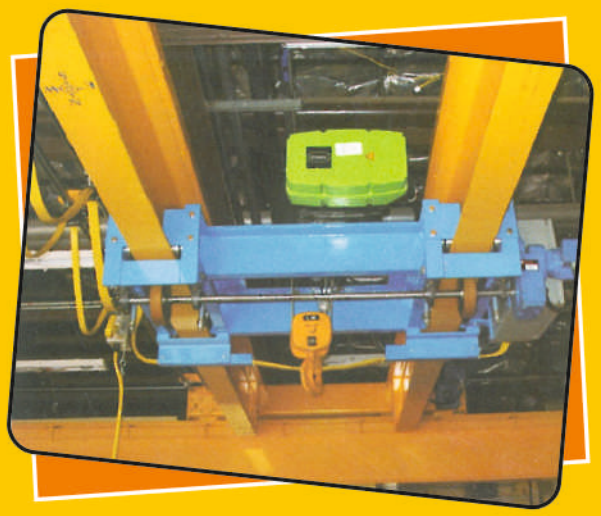
SOFT STARTS : Electric / Electronic soft start modules electrically coupled to the long travel drives to achieve jerk free, cushioned & smooth starts.



Double Girder Cranes

We are a well established manufacturer and exporter of EOT cranes with double girders, that find application for the purpose of lifting & transporting the loads over 10 T and for span of more than 25 m. Comprising of 2 torsion-free box girders, these EOT cranes such as double girder eot cranes, traveling eot cranes, material handling eot cranes etc., are compatible, when heavy loads and wide spans are required. These double girders EOT cranes are offered by us in the load capacities of up to 100 T and with spans up to 50 M.

- Capacity : 0.5 Ton to 100 Ton
- Span : 3 Mtrs. To 50 Mtrs.
- Lift : 0.5 Mtrs. To 35 Mtrs.

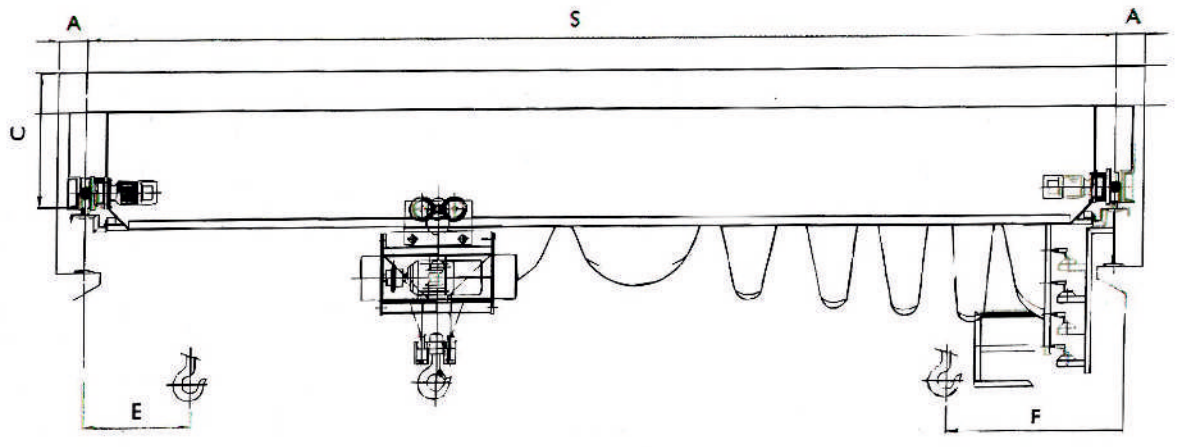


TECHNICAL PARAMETER FOR SINGLE GIRDER E.O.T. CRANES

S.W.L. (M.T.)	Span (mtrs.) 'S'	Head Room (mm) 'C'	Wheel Boase (mm)	Hook Approach (mm) E/F	End Clearance (mm) A	Wheel load per Wheeel (Approx)
1	5	750	1800	700	250	0.9
	10	850	2400	700	250	1.02
	15	900	2800	700	250	1.27
2	5	850	2000	700	270	1.6
	10	950	2400	700	270	1.7
	15	1050	2800	700	270	1.9
	20	1200	3600	700	270	2.3
3	5	850	1900	800	275	2.07
	10	950	2400	800	275	2.2
	15	1100	2800	800	275	2.6
	20	1300	3600	800	275	3.2
5	10	1000	2400	900	275	3.5
	15	1250	2800	900	275	4
	20	1350	3600	900	275	4.4
7.5	10	1100	2400	950	300	5.02
	15	1300	2800	950	300	5.5
	20	1500	3600	950	300	6.02
10	10	1200	2400	1000	300	6.5
	15	1400	2800	1000	300	7.1
	20	1550	3600	1000	300	7.6
20	10	1250	2500	1000	300	9.4
	15	1550	3000	1000	300	10.15
	20	1600	4000	1000	300	10.7

NOTE:

1. Above specifications are for class II Medium Duty Cranes.
2. Above dimensions are for cranes having 6 mtr. Lift. There may be minor deviations in dimensions for hisher height of life.
3. ' ZENITH ' reserve the right to effect any designs or dimensional change without Notice.

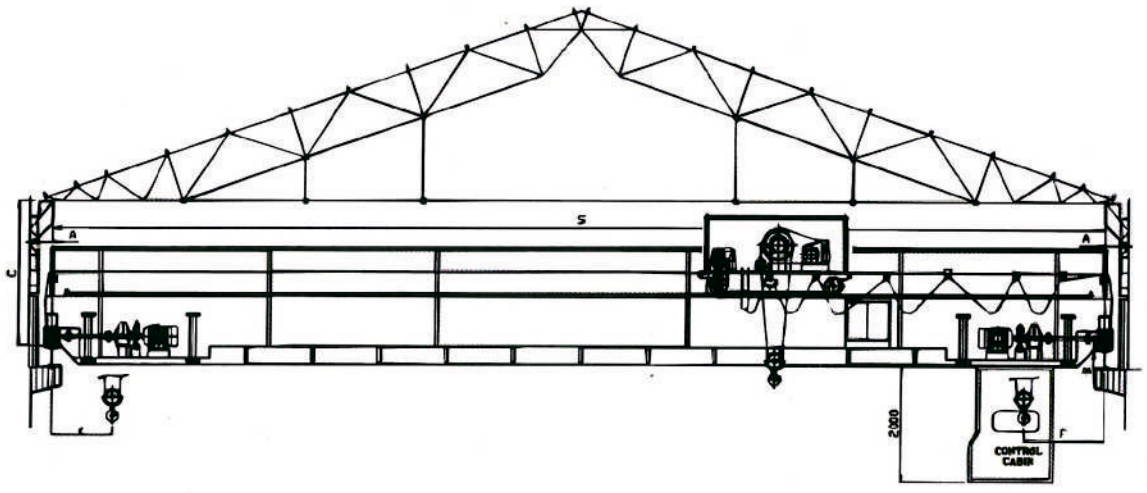


TECHNICAL PARAMETER FOR DOUBLE GIRDER E.O.T. CRANES

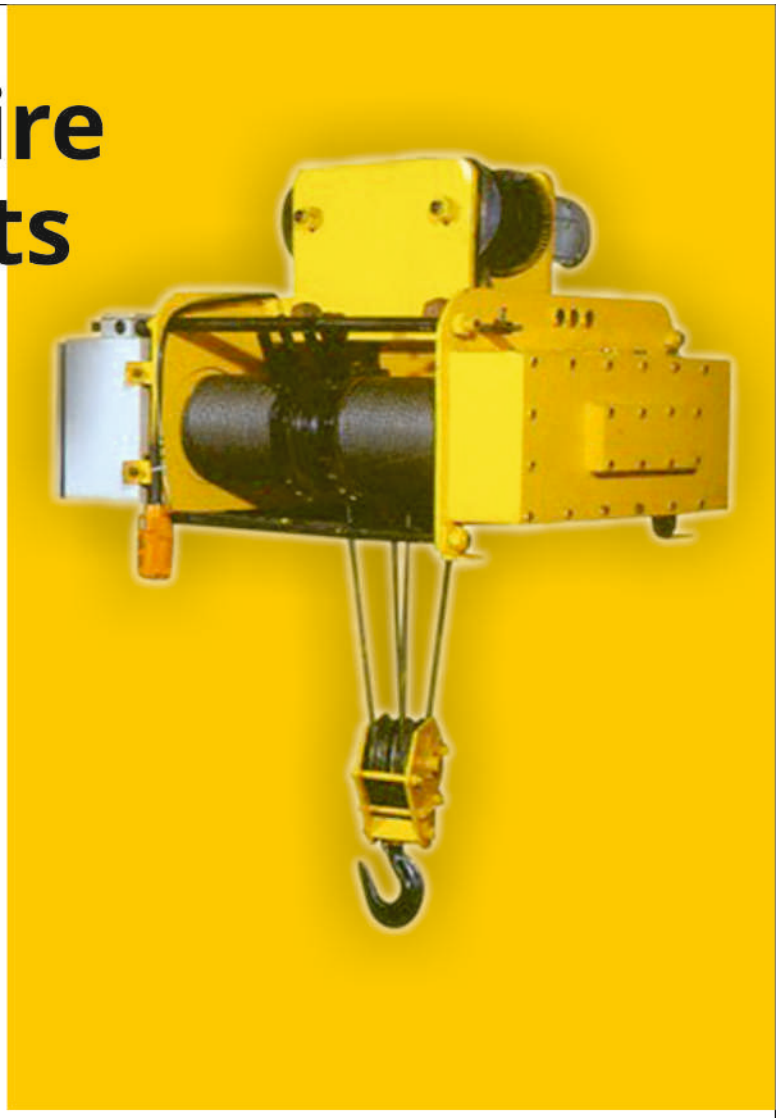
S.W.L. (M.T.)	Span (mtrs.) 'S'	Head Room (mm) 'C'	End Clearance (mm) 'A'	Hook Approach		Wheel Base (mm) 'W'	End Clearance (mm) A	Wheel load per Wheeel (Approx)
				(mm) 'E'	(mm) 'F'			
1	10	1700	260	950	850	3600	10	6.2
	15	1700	260	950	850	3800	11	6.8
	20	1800	260	950	850	4000	14	8
2	10	1800	260	1000	900	3600	12	8.5
	15	1800	260	1000	900	3800	15	9.5
	20	1900	260	1000	900	4000	17	10
3	10	1900	260	1100	1000	3600	14	10
	15	1900	260	1100	1000	3800	15	11
	20	2100	280	1100	1000	4000	20	12
5	15	2400	280	1100	1000	3800	22	16
	20	2600	280	1100	1000	4200	25	17
	15	2500	320	1200	1000	4000	24	19
	20	2700	320	1200	1000	4200	28	20
7.5	15	2700	320	1250	1100	4200	25	22
	20	3000	320	1250	1100	4400	30	23
10	15	2800	320	1300	1100	4400	30	26
	20	3000	320	1300	1100	4600	36	28
	15	3200	330	1400	1200	4600	35	32
	20	3500	330	1400	1200	4800	40	34
20	15	4000	360	1500	1250	4800	42	37
	20	4500	360	1500	1250	5000	48	39
	15	4200	425	1700	1350	5800	62	50
	20	4700	425	1700	1350	6000	72	52

NOTE:

1. Above specifications are for class II Medium Duty Cranes.
2. Above dimensions are for cranes having 6 mtr. Lift. There may be minor deviations in dimensions for higher height of life.
3. ' ZENITH ' reserve the right to effect any designs or dimensional change without Notice.



Electric Wire Rope Hoists



We are Manufacture of Electric Wire Rope Hoist that is available in several models. Our Hoist is developed using optimum quality raw material such as MS Sheets, MS angles, I beam, motors, brakes etc. These are hugely demanded in machine shop, engineering industry and foundry and can be customized as per the requirement of clients.

Features :

- Corrosion resistance
- Sturdy
- High efficiency
- Durable
- Easy to operate

Available Models :

- Electric Chain Hoists
- Electric Wire Rope Hoists
- Crab Hoists
- Frame Proof Hoists
- Farness Duty Hoists
- Any Specify Hoists

SALIENT FEATURES

Gear Box :
Single Helical Splash Lubricated CI/MS Fabricated Housing Triple/Quadnple Stage Reduction Bale/Roler Bearing Mounting Cram!

Motor :
TEFC Foot cum Flange Mounted Squirrel Cage Crane Duty Induction Electric Motor S4 Duty 150 Starts Per Hour 40% CDF.

Drum :
MS Seamless Pipe Fabricated With Plate Single Grooved Fine Machined with guide Nut For Proper Laying of wire rope.

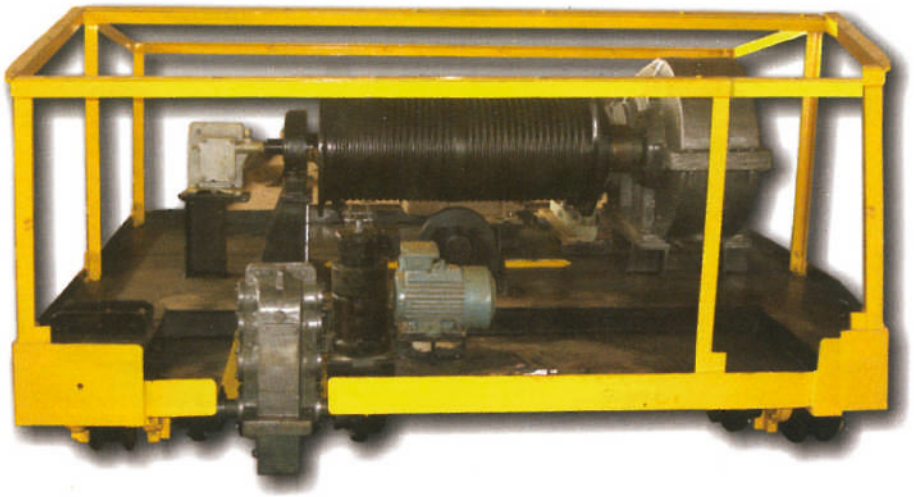
Control Panel :
Contractors step down Transformers H.R.C. fuses, Transformers, fittings, will be provided in Control Panel. Limit Switches snap roller type Providing in Main Hoisting.

Trolley :
Available in Geared Manual type, Motorised, Adjustable as per I beam size.

EVERY HOIST IS TESTED TO 25% OVERLOAD

CRAB TROLLEY

Crabs can be supplied as standard units can be custom made. They offer maximum advantage when working in open. These crabs can have single or twin hoists units as required. The driving arrangement can either be with hand geared or motor driven type. Micro speed attunement in hoisting can be provided if required.



Capacity :
1mt. to 50mt.

Lifting Height :
6 mtr to 50mtr

Speed :
2 mtr/min to 12 mtr/min

Motor :

TEFC too cum Flange Mounted Squirrel Cage/ Slippring Crane DutyInduction Electric Motor
S4 Duty 150 Starts per Hour 40% CDF, As per requirement/Application

Drum :

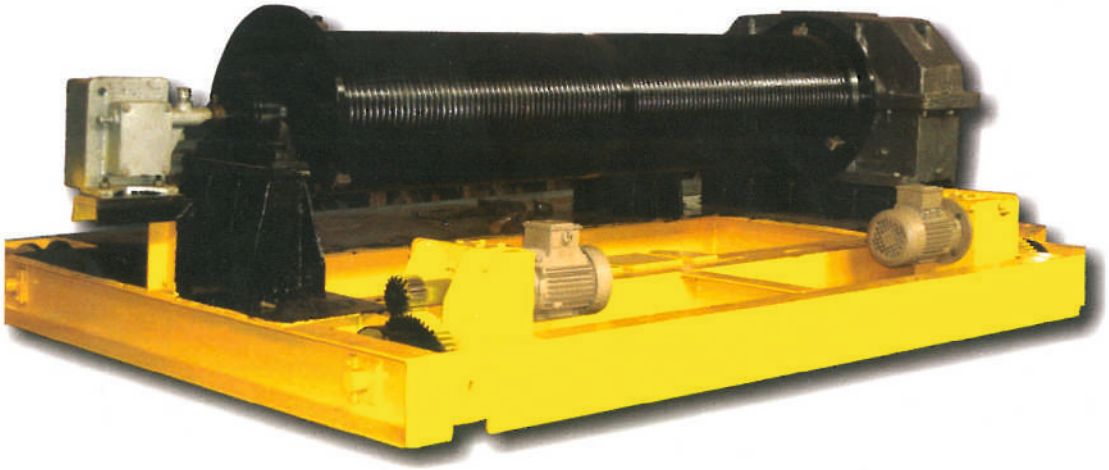
M.S. Seamless, Double Flange, Double Groove with Rope Ancher.

Brake :

Electro Magnetic Disk/Electro Magnetic Shoe Type/ Hydraulic Thruster Type.

Gear Box :

Totally Enclosed CI/Fabricated bodies oil lubricated type, fine machine Cut Gears,
Alloy Steel Gears Self Design All Gear Boxes are Helical Type.



GANTRY CRANE

SALIENT FEATURES

Gantry cranes provide economical material handling in areas where an overhead crane system is not available or practical. Their safety and efficiency make them a frequent choice for production, installation and maintenance applications.

Type of gantry cranes are available in either fixed or adjustable height models. Both types can be disassembled into three components for greater portability.

- Gantry Crane are Mounting on four legs.
- Semi Gantry Mounting on 2 legs.
- Canti Leaver Single Side/Both Side.



Depending on the application, casters may be selected from a wide variety of sizes and styles. Casters are available from Bushman as optional equipment, or they may be provided by the purchaser.



Uses of Gantry Crane:-

Wave house yard, Rolling Mill, Steels Plants, Fabrication Yard, Constructions.





GOODS LIFT

Our assortment of Goods Lift (is Hydraulic Hoists) available in two different models such as Drumwound type without counterweight and Traction type with counterweight. These are fabricated using premium quality raw material and components like MS Sheets, MS angles, I beam, motors, brakes. These find application in factories and storage facilities for carrying heavy load goods.

Drummond type without counterweight

The Drumwound type without counterweight models can be easily installed. In this types of lift, the movement is depends on the coiling and uncoiling of a wire rope on a rotating drum. Our range is equipped with two ropes coiling separately on a right hand thread groove and a left hand thread groove which puts lesser stress to rope and ensure long working life.

Salient Attributes :

- Easy to install
- Corrosion resistance
- Long Operation life
- Sturdy
- Well constructed

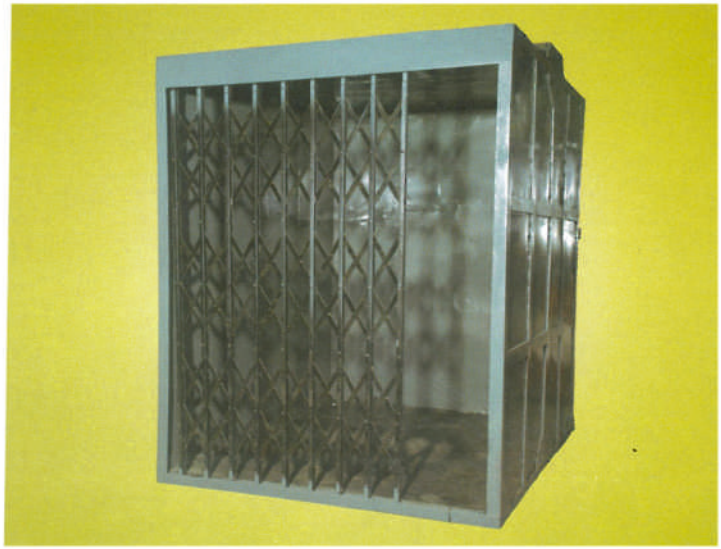
Traction type with counter weight

Our Traction type with counterweight model is operated using 3 or more independent wire ropes that are stretched across main traction sheave. The lifts and machines have no positive coupling that ensures greater safety as a slip is permitted whenever there is an obstruction to the lift travel. This provide greater safety as compare to other lifts as it does not put loads on the motors at the time of overshooting at the top floor. Usage of 2:1 roping provides smooth travel of goods in traction lifts. Our traction lifts travels at higher speed with same power as compare to drum wound .

Features:

- Jerk free
- Smooth operation
- Durable
- Safe to use
- Long operational life
- Corrosion resistance



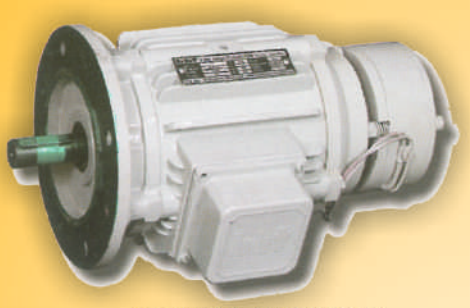




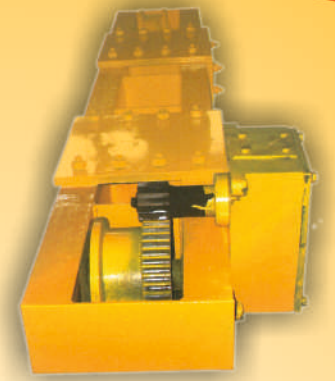
Chain Pulley Blocks



GOODS LIFT



BRAKE MOTOR
Available in Both DC & AC
Voltage-24 -195 V



END CARRIAGE WITH GEARED MOTOR



Bottom Hook Assembly
Range: 0.5mt. to 100mt.



STANDARD/CRANE DUTY MOTOR
Range: 0.5hp to 20 hp
Pole : 2,4,6,8.



RADIO REMOTE
Controls (wireless)
Rang: up to 100 mtr.
with : emergency stop



Wheel Assembly
Range: 150mm to 600mm
Tread Dia



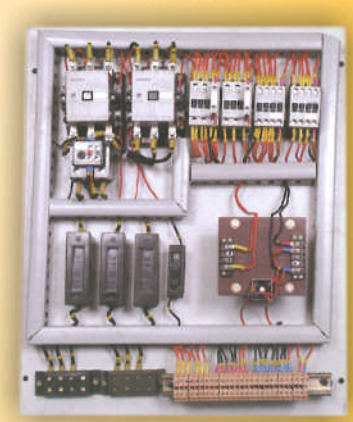
DRUM



COUPLING



Brake
Electromagnetic DC Disc type
range: model BH-110 to 265
torque: 5 nmto 300 nm



CONTROL PANEL
For any specify requirement standard furnace duty variable frequency drive PLC.

ACCURATE MECHANICAL INDUSTRIES

A LEADING MANUFACTURE OF MATERIAL HANDING
EQUIPMENTS & LIFTING SOLUTIONS

M. +91- 9315516662, +91- 7876188999 | Email: accuratemechanicalindustries@gmail.com