

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
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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 and 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 an 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.
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Single Girder Cranes

STANDARD FEATURES :-

DESIGN :

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

MOTORS :

Motors will be Crane duty motors, squirrel cage induction motors for hoists and cranes also slipring induction motors will be provided for heavy duty cranes as per the applications.

GEAR BOXES :

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.

MAINTENANCE PLATFORM WITH HAND RAILING :

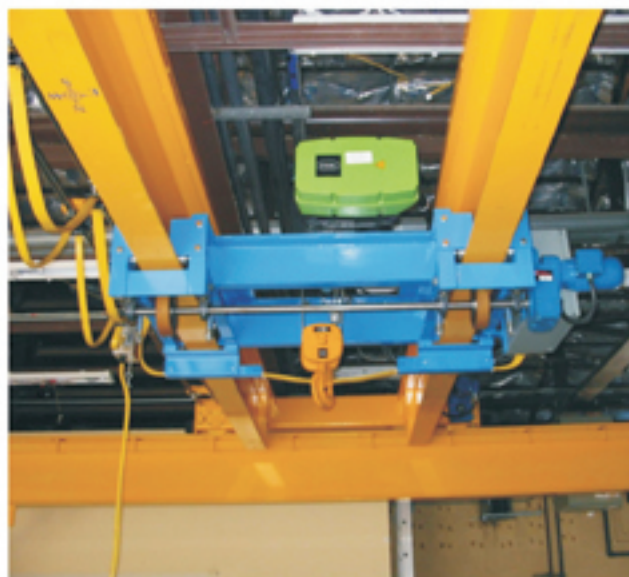
Easy, simple & safe maintenance of the Crane extended partially or totally along the girder.



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.

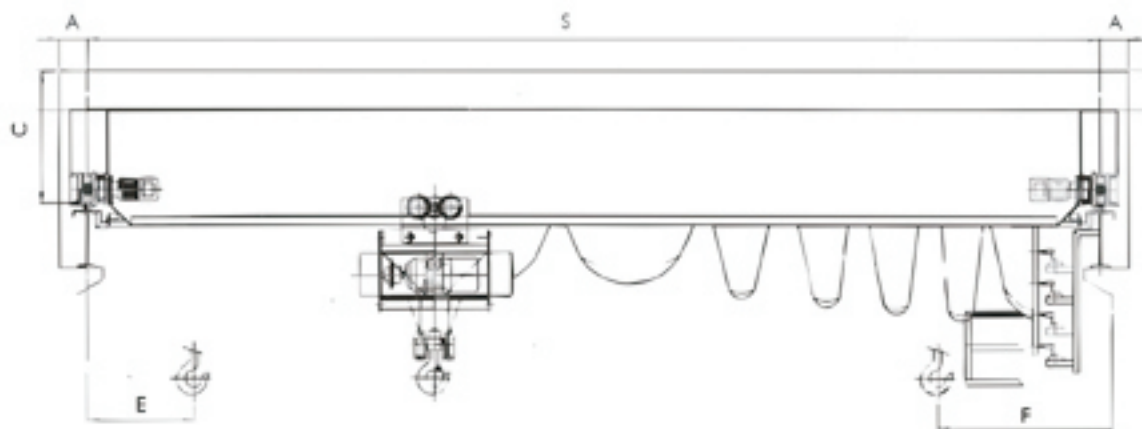
- Capacity : 0.5 Ton to 100 Ton
- Span : 3 Mtrs. To 30 Mtrs.
- Lift : 0.5 Mtrs. To 35 Mtrs.



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

S.W.L. (M.T.)	Span (mtrs.) 'S'	Head Room (mm) 'C'	Wheel Base (mm)	Hook Approach (mm) E/F	End Clearance (mm) A	Wheel Load Per Wheel (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 higher height of lift.
3. 'Venus' 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 Approaches		Wheel Base (mm) 'W'	Total Weight in tonnes (Approx.)	Wheel Load (Approx.) (MT)
				(mm) 'E'	(mm) 'F'			
5	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
7.5	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
10	10	1900	260	1100	1000	3600	14	10
	15	1900	260	1100	1000	3800	15	11
	20	2100	280	1100	1000	4000	20	12
15	15	2400	280	1100	1000	3800	22	16
	20	2600	280	1100	1000	4200	25	17
20	15	2500	320	1200	1000	4000	24	19
	20	2700	320	1200	1000	4200	28	20
25	15	2700	320	1250	1100	4200	25	22
	20	3000	320	1250	1100	4400	30	23
30	15	2800	320	1300	1100	4400	30	26
	20	3000	320	1300	1100	4600	36	28
40	15	3200	330	1400	1200	4600	35	32
	20	3500	330	1400	1200	4800	40	34
50	15	4000	360	1500	1250	4800	42	37
	20	4500	360	1500	1250	5000	48	39
60	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.
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