DOUBLE GIRDER EOT CRANES

Leading Dimensions of DG EOT Cranes

<table>
<thead>
<tr>
<th>SWL (T)</th>
<th>Span</th>
<th>H1 (mm)</th>
<th>H2 (mm)</th>
<th>S1 (Tons)</th>
<th>S2 (Tons)</th>
<th>S3 (Tons)</th>
<th>W1 (Tons)</th>
<th>W2 (Tons)</th>
<th>W1 (Tons)</th>
<th>W1 (Tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>2500</td>
<td>100</td>
<td>1200</td>
<td>1200</td>
<td>270</td>
<td>4900</td>
<td>6200</td>
<td>17.53</td>
<td>21.50</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>2500</td>
<td>220</td>
<td>1200</td>
<td>1200</td>
<td>270</td>
<td>4900</td>
<td>6200</td>
<td>22.00</td>
<td>24.00</td>
<td></td>
</tr>
<tr>
<td>30/30</td>
<td>2500</td>
<td>500</td>
<td>1200</td>
<td>1200</td>
<td>270</td>
<td>4900</td>
<td>6200</td>
<td>22.00</td>
<td>24.00</td>
<td></td>
</tr>
<tr>
<td>50/30</td>
<td>2500</td>
<td>220</td>
<td>1200</td>
<td>1200</td>
<td>270</td>
<td>4900</td>
<td>6200</td>
<td>23.50</td>
<td>27.50</td>
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</tr>
<tr>
<td>100/20</td>
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<td>500</td>
<td>1200</td>
<td>1200</td>
<td>270</td>
<td>4900</td>
<td>6200</td>
<td>24.00</td>
<td>28.00</td>
<td></td>
</tr>
</tbody>
</table>

Note: 01. Due to continuos technological improvements, dimensions are subject to change without notice.
02. All cranes confirm to IS - 807, IS - 3177 Class II (MS) only.
03. Details of cranes as per Class 3 and 4 duties could be supplied on request.
04. Dimension H1 could be further reduced, but would result in equivalent increase in dimension H2.
05. Above dimensions are for cranes having 6m lift. There may be minor variations in dimensions for higher height of lift.
06. 75/15 and 100/20 Tonnes Cranes are with eight wheels in end carriages. Wheel load calculated accordingly.

For crane capacity above 100 tonnes or crane span above 24 mtrs we will submit separate clearance diagram.
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DOUBLE GIRDER EOT CRANES

Bridge Drive :-
- Single/Twin Drive with Squirrel Cage/Slip Ring Induction Motors, Through Totally Enclosed, Oil Immersed, Helical Gearboxes.
- All Single Drive ‘Units’, provided with amply proportioned Line Shafting, supported on Self Aligning Bearings, housed in Plummer Blocks.

Motors :-
- Foot Mounted, IEC, Frame Size, Crane Duty Motors for Hoisting / Auxiliary Hoisting, Cross Travel and Long Travel, Insulation Class for all motors B/F

Brakes :-
- Electro Hydraulic Thruster for all motions. DC/AC EM brakes or additional brakes on request.

Crane Control :-
- From Floor through Pendant Push Buttons/ Open Cabin / Totally Enclosed Cabin / Radio Remote Control operating at 110/24 V. Electrical Switch Gears mounted inside dust proof Control Panels, with suitable access for maintenance.

Power Supply System :-
- To Hoist & Cross Travel through Trailing Cables. To Crane through Trailing Cable/M.S. Angle Iron Conductors / Shrouded G.I. / Copper Conductors to customer’s choice.

Painting :-
- All exposed parts primed with Red-Oxide Zinc Chromate Primer and finished with Enamel Paint to customer’s colour scheme.

Special Features :-
- Designs confirm to IS-807, IS-3177 BSS / DIN / FEM
- Optimum Design ensuring minimum Dead Weight, Wheel Loads, Head Rooms and Clearances, reducing building costs.
- Micro speed through planetary Gear Boxes OR through variable Frequency Drives (VFD) for all motions, if required.
- Forged Runner Wheels on Spherical Roller Bearings, resulting in long trouble free service,
- Hobbed and Run-in Heat Treated Gears from High Carbon & Alloy Steels for long trouble free service.
- Standardised Unit Sub-Assemblies used for complete range, ensuring possibility of spares supply from stocks.
- Wide range of Lifts, Hoisting, Cross & Long Travel Speeds to suit every operational requirement.
- Quick Deliveries and Prompt After Sales Service.
- Competitive Prices,
- Best Quality of Bought - Out Components provides excellent performance of Cranes.

Design :-
- Amply Proportioned Main Girder of Box Section, fabricated from tested quality IS-2062 plates, all butt welds 100% radiographed. Main Girder further stiffened with Long and Short diaphragms. End Carriages, either from rolled section or fabricated from plates.
- Well proportioned Rotating Axle Type Runner Wheels on ‘L’ Type Bearing Housings.
- Rope Drum fabricated from IS-2062, stress relieved & long seams 100% Radiographed or from seamless pipes.

Other Products :-
- Electric Hoists,  •  SG EOT/US-SGEOT Cranes.  •  Steel Mill / Grabbing Duty Cranes  •  Jib Cranes.
- Double Girder HOT/Goliath Cranes,  •  Grab Buckets  •  HOT Single Girder Cranes.  •  Electrical Winches.
- Flame Proof Crane and Hoists.  •  Consultancy for Material Handling.