

Riser Handling

Riser Gantry Crane

The prime function of the riser gantry crane is to move the riser from its storage position to the catwalk machine and back. Each crane comes with an integrated hydraulic power unit and either a control cabin or wireless remote radio control.

There are two main types of riser gantry cranes: fixed main hoists for dedicated riser handling and traveling auxiliary hoists for general use. Traveling main hoists for handling all tubulars use interchangeable heads.

Typical Technical Data:

Capacity: 2 x 12.5 to 2 x 30 Te

Span: 60 ft to 100 ft

Lift Speed: 12 m / minute

Travel Speed: 16 m / minute

Weight: 80 – 160 Te

Lift Height: To suit application



For additional information about TSC Riser Handling equipment, please contact your TSC representative.

Rise Skate

The riser skate takes the riser delivered by the riser gantry crane and presents it at the well center. The riser is supported by fixed forward supports and a traveling aft support trolley with a pivoting bucket. The skate is driven by rack and pinion to engage the riser lifting tool. As the riser is lifted away, the aft support trolley travels along the skate to support the aft end. The process is reversed when laying the riser down.

Typical Technical Data:

SWL: up to 50 Te

Hydraulic Supply: 210 bar from the rig supply

Skate Speed: 10m / minute

Trolley Speed: To suit riser lifting speed.

Weight: 25 Te

