



DS 205 SERIES HYDRAULIC DRILLING RIGS



DS 205 Tiger Rig - Rig up - Heart Land Drilling

W.E.I. manufactures these hydraulic drilling rigs seeking to achieve all customer needs and desires.

These rigs are self transported up to 205 MT hook load capacity, mounted on semi-trailer.

The rig is completely hydraulically driven, with high performances both in drilling and in work over activities.

This last generation of hydraulic drilling rigs is designed to operate in every climate area, in hazardous zone and severe conditions.

The simplicity of their manufacture allows to save time during the rig-up and the rig-down activity thanks to the lack of guy lines and bolts and reduces the personnel and the management costs.

Thanks to its reduced dimensions, the DS 205 rig is easy to be transported on all the European roads even if its features are similar to a twice bigger rigs.

The rig is also supplied by the hydraulically operated semi-automatic drill pipes manipulator, that feeds a 5" drill pipe R3 in 28 seconds and does the complete operation of lifting – connecting drill pipes in 60 seconds.

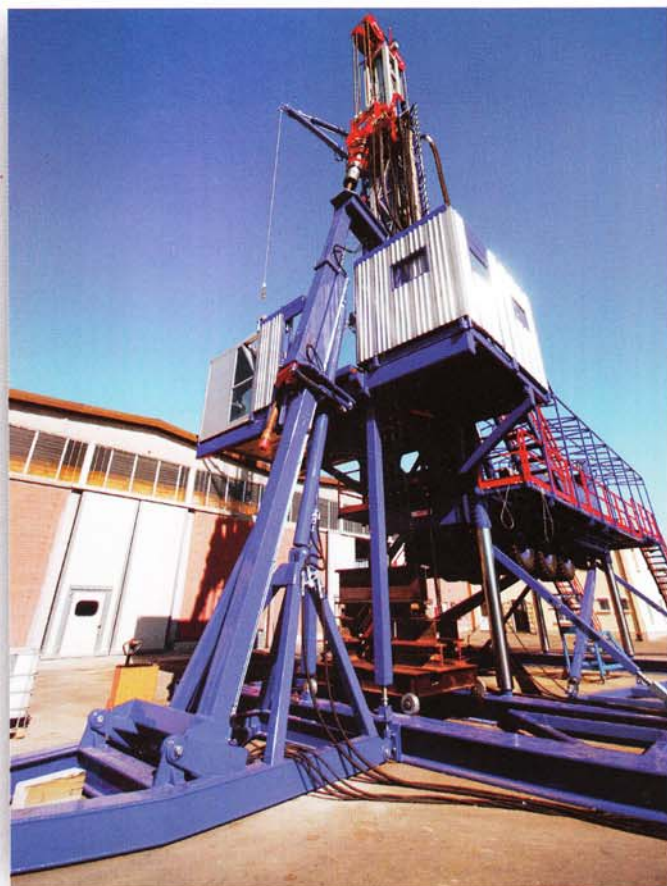


DS 205 Drilling Rig - Zaab Group



Pipe Loader DS 205 - Zaab Group

MAIN FEATURES	WEI DS 205 HYDRAULIC DRILLING RIG
Drilling: Drilling	10,500 ft (3,200m) 5" -19.5 lbs D.P. 12,000 ft (3,650m) 4.1/2" - 16.6 lbs D.P. 20,000 ft (6,100m) 3.1/2" - 13.3 lbs D.P. 26,000 ft (7,900m) 3.1/2" - 8.7 lbs Tbg
Hoisting: Max Pull Up	205 MT (225 short tons) With max Low Speed 0.6 m/s 102 MT (112 short tons) With max High Speed 1.2 m/s 1.2 m/s 25MT
Lowering Max Speed Max Pull Down	
Top Drive: Max Torque	28,400 ft-lb (3,900daNm) With Max Low Speed 100 RPM 15,300 ft-lb (2,100 daNm) With Max High Speed 180 RPM
Max Torque	
Fluid Passage	3" (76mm)
Pin size connection	6.5/8" Reg
Tilting type	Included
Drilling Load	205 MT (225 short tons)
Total stroke on Vertical Mast	52' - 6" (16m) (Range 3 D.P.)
Sub-Structure/Drill Floor: Casing Capacity	205 MT (451.950 lbs)
Standard Height	20' (6.10 m)
Optional Height	
Full Passage clamp	40" (1.016mm)
Hydraulic Power Unit: Power	630 HP x 2 at 1800 RPM (Total 1260 HP)
Max	2,160 l/min at 350 Bar
Oil tank capacity	6.000 litres
Power Tong: Maximum Make	
Up-brake out	16,000 daNm
Vertical Stroke	27' -" (700 mm)
Passage	3.1/2" - 11"
Service Jib Crane: Max Load Capacity	5 MT
Max Speed	0.6 m/sec
Rotation	90°
Rotary table: Optional hydraulically driven	
Size	27.1/2"
Max Torque	1,400 daNm
Max RPM	90



DS 205 Drilling Rig - Zaab Group - Rig up



DS 205 Tiger Rig - Drill Pipe Lifting - Heart Land Drilling



WEI DS 205 - Top Drive - Zaab Group



WEI DS 205 - Drill Pipe Elevator - Zaab Group



WEI DS 205 - Power Tong - Zaab Group

W.E.I. has, since its creation, presented itself as an industrial organisation resulting from thirty years' experience in constructing drilling rigs and, equipment for drilling.

The company began exactly ten years ago on the basis of the trust offered by its clients and now offers good ideas both nationally and internationally, which result from basic and well-defined operational criteria:

- exploit what has been learnt in the past in order to build machines which meet the needs of the present and could take advantage of opportunities arising in the future;
- aim at total quality, not as a goal but as a starting-point for each project.

In these ten years operations have been carried out bearing in mind the principles which have protected W.E.I. and which it strongly believes in. As a result of this growing specialisation, the range of products has been widened bit by bit to include the construction of drilling rigs both for water and oil industry. This has been made possible owing to an efficient technical office, whose members boast thirty years' experience in the industry, and to the company with which W.E.I. operates, WCI Lee C. Moore of Tulsa (Oklahoma, USA).

A number of important projects have had their origins in this collaboration, including Derricks, with one of the highest capacities in the world, modular plant which can be assembled on fixed platforms, Mast and substructures,

This technology has placed W.E.I., along with its American partner, at a high level globally.

W.E.I. continues to look ahead, as it has done in these last ten years, by seeking to create ambitious projects and investing in advanced technology and highly trained personnel.



WEI DS 205 - D.P. Manipulator - Zaab Group