

T-505 CLUSTER SLIDER HR5000

TECHNICAL OVERVIEW

Rating	1,500 HP	1,100 kW
Hook load	882,000 lbs @ 12 lines	400 mt
Drilling depth theoretical	16,400 ft	5,000 m

Year of construction 2007

MAST

Type	Bentec cantilever	
Height	152 ft	46.3 m
Base	30 ft	9.1 m
Max. static hook load	882,000 lbs	400 t
Nominal hook load	706,000 lbs	320 t

SUBSTRUCTURE

Type	Bentec	
Height	35ft 4in	10.7 m
Casing load	882,000 lbs	400 t
Setback Load	500,000 lbs	227 t

DRAWWORKS

Type	Bentec E-1500-DC/Short Version	
Horsepower rating	1,500 HP	1,100 kW
Max. line pull	81,800 lbs	37.1 t
Drilling line diameter	1 3/8"	32 mm
Auxiliary brake	Bentec EB-6032-A Brake	

TOP DRIVE

Type	Varco TDS-11SA	
Capacity	1,000,000 lbs	454 t
Torque	37,500 ft.lbs	50,842 Nm

ROTARY TABLE (ASSISTING)

Type	Abco RK-375	
Table opening	37 1/2"	952.5 mm

DRIVE GROUP

Engine type	Caterpillar 3512 B alternative 6 kV power supply	
Generator type	Caterpillar SR4B	
Horsepower rating	4 x 1,756 HP @ 1,500 rpm	
Generator rating	4 x 1,500 kVA @ 1,500 rpm	
Voltage	690 V, 50 Hz	
Control Unit	Bentec SCR	



MUD SYSTEM

Pump type	Wirth TPK 7 1/2" x 12", 1600 CL	
Horsepower rating	2 x 1,600 HP	
Standpipe pressure	5,000 psi	350 bar
Shale shaker	3 pcs single	
Shale shaker type	MI Swaco Mongoose PT	
Mud cleaner	MI Swaco 2-12 ALSII	
Centrifuge	2 pcs	
Centrifuge type	MI Swaco 518	
Active mud system	1,453 bbl	230 m ³
Reserve mud system	1,622 bbl	258 m ³

BOP EQUIPMENT

Annular	13 5/8" – 5,000 psi	
Single ram	13 5/8" – 10,000 psi; 2 pc	

CAMP EQUIPMENT

Full rig and base camp

ADDITIONAL EQUIPMENT

Anti Collision System (Bentec ACS)
Soft Pump System (Bentec SPS)
Soft Torque Rotary System (Bentec STRS)
Feed Off Control System (Bentec FOCS)