



**SCHRAMM**

Breaking Ground, Building Trust.™



ENERGY

EXPLORATION

MINE RESCUE

WATER WELL

# T130XD

## RANGE III CAPABILITY IN A COMPACT OVER THE ROAD DRILLING RIG

The T130XD is the drilling contractor's rig of choice for energy, mineral exploration, mine rescue and large diameter municipal water well drilling applications around the world.

Thanks to its patented Telemast® design, the T130XD offers Range III tubular capability in a fully portable over the road package that can be set up in a matter of hours upon arrival to the drilling site. In addition, its small footprint dramatically reduces environmental impact.

When supplied with a tilting top head, this rig is fully compatible with LoadSafe®, Schramm's trailer mounted, fully automated pipe handling system. LoadSafe® offers the highest degree of operator safety available in the industry today.

Any climate, any terrain, Schramm rigs are built your way, delivering maximum performance and reliability in the most extreme environments on earth.

- Equipped with Schramm patented Telemast® for easy portability and fast set up
- Up to 130,000 lbf ( 578 kN) pullback and Range III tubular capability
- Precise hydraulic weight on bit control
- Drill compressor selectable air at 1,150 cfm @ 500 psi or 1,350 cfm @ 350 psi (32.6 m<sup>3</sup>/min @ 35.5 bar or 38 m<sup>3</sup>/min @ 24.1 bar)
- Compact 43 ft (13.1 m) transport length with less than 6 - 8 ft (1.8 - 2.4 m) overhang
- Optional trailer mounted configuration available
- Additional options include variable angle mast, casing rotator and LoadSafe® automated pipe handling system



Schramm's Telemast® equipped rigs feature fast set-up, long top head travel, short transport length, small foot print, and low site impact. Rigs can be supplied with hydraulic breakout, power slips and the Schramm LoadSafe® automated pipe handling system.

**LOADSAFE**

Trailer mounted drill pipe, collar and casing handling system safely and precisely lifts tubulars from horizontal position into alignment with the tilting top head.



# T130XD

## SPECIFICATIONS



### DECK ENGINE

- Detroit Diesel DDC/MTU 12V-2000TA DDEC
- 760 bhp (567 kw) @ 1800 rpm
- 2 x 110 gallon (415 l) fuel tanks
- Air or electric start available

### STANDARD COMPRESSOR

- Variable volume two-stage, oil flooded rotary screw compressor
- Selectable air: 1,150 cfm @ 500 psi or 1,350 cfm @ 350 psi (32.6 m<sup>3</sup>/min @ 35.5 bar, 38 m<sup>3</sup>/min @ 24.1 bar)
- Schramm patented air-Control

### COOLING

- Three core, side by side heat exchanger with variable speed cooling fan
- 117°F (47°C) ambient design temperature

### CARRIER

- CCC 8 x 4 carrier
- Cummins engine rated 425 hp @ 2,100 rpm
- 44,000 lb (19,955 kg) front axle
- 21,500 lb (9,750 kg) pusher axle
- 52,000 lb (23,587 kg) full locking rear axle
- 117,500 lb (53,298 kg) GVWR

### MAST

- Telescoping mast design permits long head travel and working height, yet short overall length in transport position
- Free-standing mast design
- Hydraulically operated adjustable mast feet
- 69 ft 9 inches (21.25 m) overall height fully extended
- 42 ft 9 inches (13 m) overall height retracted for transport

### TOP HEAD DRIVE

- Heavy duty, single reduction gearbox with multiple disc valve type hydraulic motors
- Infinitely variable rotation speed via HRC control
- Maximum Torque: 8,884 ft-lbs (12,045 N-m)
- Rotation Speed: 0-143 RPM
- Maximum operating pressure: 3,000 psi (208 bar)

### FEED SYSTEM

- 50 ft (15.24 m) head travel
- 130,000 lbf (578 kN) pullback
- 125 fpm (38.1 m/min) pullback speed
- 32,000 lbf (142 kN) pulldown
- 270 fpm (82.3 m/min) pulldown speed

### DRILL TABLE

- Table Opening: 20 inches (508 mm) or 28 inches (711 mm) with table retracted
- Hydraulically retractable slip box

### DRILL PIPE AND CASING

- Range III tubular capability
- 28 inch (711 mm) maximum diameter through the slip box

### OUTRIGGERS

- Single Front - 5 inch (127 mm) bore x 41 inch (1.04 m) stroke
- Dual Rear - 5 inch (127 mm) bore x 41 inch (1.04 m) stroke

### WINCH

- Planetary design with spring applied hydraulic release brake
- 9,600 lbf (42.7 kN) bare drum line pull
- 150 fpm (46 m/min) bare drum line speed

### HYDRAULIC SYSTEM

- Open loop load sensing system
- 200 gallon (760 l) system capacity
- 7 micron filtration

### WATER INJECTION SYSTEM

- 25 gpm (95 lpm) water pump
- Electric foam pump

### TOOL LUBRICATOR

- Positive displacement, air operated piston type pump
- Oil flow: 0 - 5.0 g/hr (0 - 19 l/hr)

### LIGHTING & ELECTRICAL SYSTEM

- 24 volt DC electrical system
- Mast - (4) 60 watt floodlights
- Control Panel - (2) 60 watt gauge floodlights
- Work - (3) 70 watt halogen

### RIG WEIGHT AND DIMENSIONS

*Note: For general illustration only, varies with rig configuration*

- OA length, transport: 42 ft 9 inches (13 m)
- Front mast down transport overhang ranges 6 - 8 ft (1.8 - 2.4 m)
- OA width: 8 ft 6 inches (2.6 m)
- OA height, transport: 13 ft 6 inches (4.1 m)
- Typical GVWR: 100,000 - 110,000 lbs (45,359 - 49,895 kg)

### STANDARD ACCESSORIES

- Tool box, pipe handling sling, breakout wrench, 50 hour maintenance kit

### OPTIONAL EQUIPMENT

- Tilting top head
- High capacity top head
- Sliding angle mast with operating angle adjustable to 45 degrees
- Casing rotator
- Reverse circulation package
- LoadSafe® automated pipe handling system
- Single pipe loading arm
- Auxiliary winch controls
- CE mark for European requirements
- See your Schramm representative for additional available options

*Rig performance is directly related to conditions encountered in the field. Rig specifications presented here illustrate equipment performance under factory test conditions. Schramm, Inc. continuously improves its products and reserves the right to change specifications, design, prices and terms at any time without notification or obligation. These specifications do not extend any warranty, expressed or implied, nor do they or Schramm, Inc. make or imply any representation of the machine's merchantability or fitness for a particular purpose.*

