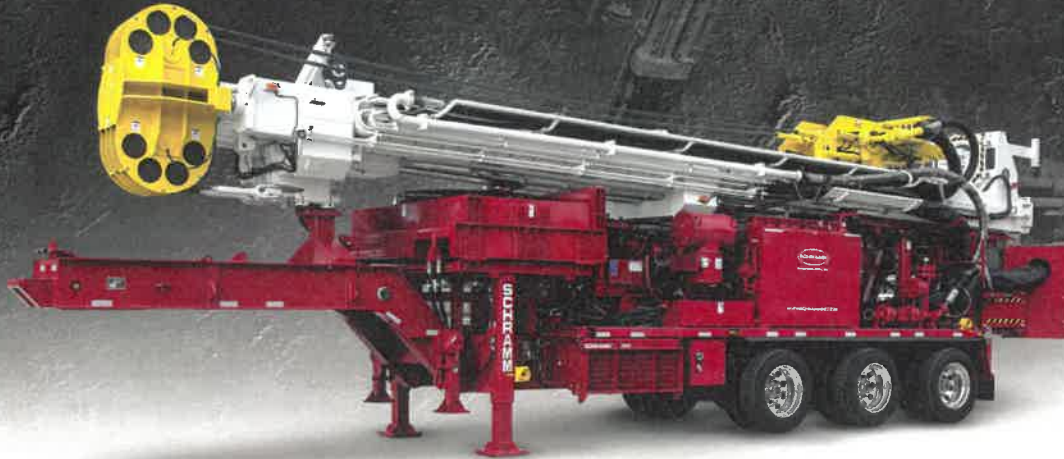


SCHRAMM

Breaking Ground, Building Trust.



OIL & GAS

MINE DEWATERING

LARGE DIAMETER WATER WELL

T200XD RANGE III CAPABILITY

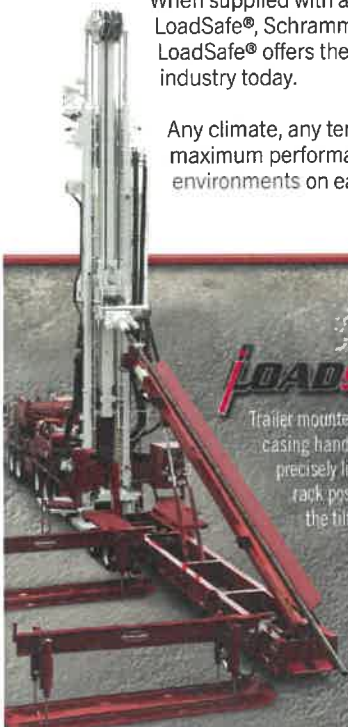
The T200XD is the drilling contractor's rig of choice for oil & gas sector directional drilling and large diameter deep hole water well drilling applications requiring 200,000 lb hoist capacity.

Thanks to its patented Telemast® design, the T200XD 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 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 200,000 lbf (890 kN) pullback
- Up to 32,000 lbf (142 kN) pulldown capacity
- Range III tubular capability
- Precise hydraulic weight on bit control
- Optional rotation brake for directional drilling available
- Optional LoadSafe® automated pipe handling system available
- Sub Base required for trailer configuration



LOADSAFE

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



TILTING TOP HEAD DRIVE
Aligns with LoadSafe® for hands free Range III tubular handling.



POWER SLIPS
Eliminate manual slips to dramatically increase rig floor safety.



HYDRAULIC ROUGHNECK
Accommodates tubulars with torque capacities up to 55,000 ft-lbs (74,570 N-m).

T200XD MULTI-PURPOSE RIG

SPECIFICATIONS



DECK ENGINE

- MTU 12V-2000TA DDEC Tier 2 (Export Only)
- 760 bhp (567 kw) @ 1800 rpm
- 2 x 110 gallon (415 l) fuel tanks
- Electric starter, diesel air shutdown system

COOLING

- Two core, side by side heat exchanger with 60 inch (1.52 m) fan
- 130°F (54°C) ambient design temperature

TRAILER

- Three axle gooseneck trailer with aluminum rims and 275/70R22.5 tires
- Hendrickson tri-axle air ride with 60 inch (1.52 m) axle spacing
- Axle capacity 25,000 lbs (11,340 kg)
- Detachable 10 ton single axle tag axle dolly with air ride

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

TILTING TOP HEAD DRIVE

- Heavy duty, single reduction gearbox with 4 two-speed disc valve type hydraulic motors
- Infinitely variable rotation speed via HRC control
- Torque:
 - 0 - 90 RPM @ 17,750 ft-lbs (24,066 N-m).
 - 0 - 180 RPM @ 7,670 ft-lbs (10,399 N-m)
- Rotation Speed: 0 - 180 RPM
- Maximum operating pressure: 3,000 psi (208 bar)

FEED SYSTEM

- 50 ft (15.24 m) head travel
- 200,000 lbf (890 kN) hoist capacity
- 100 fpm (30.5 m/min) pullback speed
- 32,000 lbf (142 kN) pulldown
- 200 fpm (61 m/min) pulldown speed

DRILL TABLE

- Table Opening: 30 inches (762 mm) diameter with table retracted
- Hydraulically retractable slip box

DRILL PIPE AND CASING

- Range III tubular capability
- 30.25 inch (768 mm) maximum diameter through the slip box

OUTRIGGERS

- Dual Front - 5 inch (127 mm) bore x 36 inch (0.91 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 jib boom swing and extend

HYDRAULIC SYSTEM

- Open loop load sensing system
- 210 gallon (795 l) system capacity
- 7 micron filtration

LIGHTING AND ELECTRICAL SYSTEM

- 24 volt DC electrical system

WATER INJECTION SYSTEM

- 35 gpm (132.5 lpm) water pump @ 1,000 psi (69 bar) maximum flow
- Electric foam pump

TOOL LUBRICATOR

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

RIG WEIGHT AND DIMENSIONS

Note: For general illustration only net of tag dolly, varies with rig configuration

- OA length, transport: 54 ft (16.5 m)
- OA width: 9 ft 8 inches (2.95 m)
- OA height, transport: 13 ft 6 inches (4.1 m)
- Trailer weight: 102,000 lbs (46,266 kg)

STANDARD ACCESSORIES

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

OPTIONAL EQUIPMENT

- Tilting top head
- Torque options available to 25,130 ft-lbs (34,072 N-m)
- Rotation brake for directional drilling
- Single pipe loading arm
- Hydraulic roughneck
- LoadSafe® automated pipe handling system
- Tier 4 Cat C-18 engine available for domestic applications
- Crane Carrier available for special applications
- See your Schramm representative for additional available options

Rig performance is directly related to conditions encountered in the field. Rig specifications presented here are theoretical values based on a 100% efficiency factor. 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.

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