TXD

TELEMAST PORTABILITY, RANGE III TUBULAR AUTOMATION

- OIL & GAS
- WATER WELL

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

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

The Schramm LoadSafe® fully automated pipe handling system, combined with hydraulic roughnecks and power slips to meet site requirements, offers the highest degree of operator safety available in the industry.

- Tier II, III, or IV
- Schramm patented Telemast® for easy portability and fast set up
- Up to 200,000 lbf (890 kN) hoist capacity
- Up to 32,000 lbf (142 kN) pulldown
- Range III tubular capability
- Precise hydraulic weight on bit control
- LoadSafe® automated pipe handling system included
- Rotation brake for directional drilling available
- Integral sub-structure available

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

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

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

MADE IN THE USA. AVAILABLE GLOBALLY.

© 2022 Schramm, Inc. All rights reserved.

Version 1.24

TXD

TELEMAST PORTABILITY, RANGE III
TUBULAR AUTOMATION

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

COOLING
- Two core, side by side heat exchanger with variable speed cooling fan
- 130°F (54°C) ambient design temperature

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 and slip box

TILTING TOP HEAD DRIVE
- Heavy duty, single reduction gearbox with four (4) two-speed disc valve type hydraulic motors
- Infinitely variable rotation speed via HRC control
- Torque: 0-100 RPM @ 18,700 ft-lbs (24,404 N-m) & 0-160 RPM @ 12,500 ft-lbs (16,269 N-m)
- Rotation Speed: 0 - 160 RPM
- Maximum operating pressure: 5,000 psi (344 bar)

FEED SYSTEM
- 50 ft (15.24 m) head travel
- 200,000 lbf (890 kN) hoist capacity
- 100 fpm (30.5 m/min) hoist 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 inch (762 mm) maximum diameter through the slip box

LOADSAFE® AUTOMATED PIPE HANDLING SYSTEM
- Lifts drill pipe and casing from horizontal position into alignment with tilting top head
- Racks and stores tubulars
- Positions blowout preventer
- 47 ft (14.3 m) maximum tubular length, Range III
- 30 inch (0.76 m) maximum diameter casing capability
- 5,000 lb (2,268 kg) tubular lift capacity

WINCH
- Panetary 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
- Auxiliary winch available

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

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

ELECTRICAL SYSTEM
- 24 volt DC electrical system

RIG WEIGHT AND DIMENSIONS

Note: For general illustration only, varies with rig configuration.
Optional items determine final weight.
- OA length, transport: 53 ft (16.2 m)
- OA width: 9 ft 6 inches (2.9 m)
- OA height, transport: 13 ft 6 inches (4.12 m)
- Rig trailer weight: 95,000 lbs (43,091 kg)
- Pipe handling trailer weight: 40,000 lbs (18,144 kg)

STANDARD ACCESSORIES
- Tool box, breakout wrench
- 50 hour maintenance kit

OPTIONAL EQUIPMENT
- Dual rotation brake for directional drilling
- Hydraulic roughneck
- Power slips with Schramm Bowl
- Water injection and tool lubricator systems
- Hazardous area lighting package
- Integral sub-base
- Engine: CAT C-18 Tier IV or MTU 12V-2000TA DDEC Tier II
- 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.

Schramm USA
800 E. Virginia Avenue
West Chester, PA 19380
USA

Phone +1 610-696-2500
Fax +1 610-696-6950

Schramm Australia
54 Banksia Road
Welshpool, WA 6106
AUSTRALIA

Phone +61 8 9334-5900
Fax +61 8 9334-5910

Hammers & Bits
60 Paramount Dr.
Wangara, WA 6065
AUSTRALIA

Phone +61 8 9302-5317
Fax +61 8 9302-3715

www.schramminc.com

© 2022 Schramm, Inc. All rights reserved.