



SCHRAMM

T685

BUILT FOR THE TOUGHEST
DRILLING PROJECTS

The drilling rig of choice

Topdrill's Schramm T685 is the drilling contractors rig of choice for reverse circulation, grade control, and hydro drilling. Its heavy duty components are designed to meet a wide range of conditions and deliver maximum performance and reliability.

Topdrill have upgraded their T685 drills to incorporate the latest in handsfree rod handling solutions. The Sandvik DA554 rod handler fitted to the drill rig allows for true handsfree rod handling whilst maintaining a small machine footprint. A dual hydraulic rod breakout tool completes the package, providing a safer and more productive work environment for our team.



Safety Equipment

FIRE SUPPRESSION SYSTEM

SPIN CAGE

REMOTE TRAMMING

EMERGENCY STOP SYSTEM

DUST SUPPRESSION (water injection)

FOPS RATED

Standard Design Features

Deck Engine	<ul style="list-style-type: none"> ▪ MTU 12V-2000TA DDEC - 850bhp (633kw) @ 1800rpm/ Caterpillar C27 ▪ Engine Canopy ▪ 950 litre fuel tank mounted under deck
Cooling	<ul style="list-style-type: none"> ▪ IV Pack, 55°C ambient design temperature
Mounting	<ul style="list-style-type: none"> ▪ Mounted on a 8x8 truck, MAN or Mercedes
Compressor	<ul style="list-style-type: none"> ▪ Sullair 20/12H (1350/500) ▪ Variable inlet valve (butterfly) ▪ Auxiliary air and booster lines
Top Head Rotation	<ul style="list-style-type: none"> ▪ Schramm rotary head ▪ 2x OMVM 500 motors (OMVW 630 optional) ▪ HD nylon head slides
Mast & Feed System	<ul style="list-style-type: none"> ▪ Operating Angle: 0-45° from vertical ▪ Mechanically locks in 5° increments ▪ Mast slide travel: 2,440mm ▪ Head travel: 9,100mm ▪ Feed cylinder: (2) 5 1/2" bore x 2 3/4" rod x 180" stroke ▪ Pullback capacity: 73,000 lb (33,280 kg) ▪ Top head driven by hydraulic cylinders through HD roller chain ▪ Pull up speed: Rapid feed 50.9m/min ▪ Pull down capacity: 35,270 lbs (16,000 kg)
Breakout	<ul style="list-style-type: none"> ▪ Schramm Australia Dual Breakout, 2 1/2" - 5 1/2" 16,000 ft.lb torque/ or corporeal
Slips Table	<ul style="list-style-type: none"> ▪ 12" hydraulic slips table
Rod Handling & Storage	<ul style="list-style-type: none"> ▪ Rod Kicker *Austex Rod Handler 554 ▪ KL Rod Loader ▪ Tilting Rod Bin, 5x9 (45 rods)
Walkways & Safety	<ul style="list-style-type: none"> ▪ Hydraulic walkway on both sides of rig ▪ Access platform to mast ▪ Mast lanyard for use while mast is horizontal ▪ Rotation guard ▪ Fire suppression 105L (loss in pressure)
Winch/ Jib Boom	<ul style="list-style-type: none"> ▪ Exploration Jib Boom, 500kg capacity ▪ 1000m survey winch
Hydraulics System	<ul style="list-style-type: none"> ▪ 6 hydraulic pumps, 1 fixed displacement & 5 variable volume piston type ▪ All hydraulic circuits fitted and protected by relief valves ▪ Oil cooler
Air & Mud Lines	<ul style="list-style-type: none"> ▪ Rated at 1000psi ▪ Full length hose socks & shackles
Water Injection Types	<ul style="list-style-type: none"> ▪ CAT 2525 water injection
Tool Lubricator	<ul style="list-style-type: none"> ▪ Positive displacement, air operated piston type pump ▪ Oil flow: 0-90g/hr (0-19l/hr), 68.5 litres capacity ▪ Positioned on deck LHS

