



DPI 2000

DEEP-HOLE DIRECTIONAL DRILL RIG

The DPI 2000 drill rig is specifically designed to drill especially long directional drilling programs in explosive underground environments.

When combined with DPI's DDMS (Directional Drilling Management System), the system has the ability to track, guide and complete the most challenging requirements.

The DPI 2000 is MSHA certified and currently operating in the United States regularly drilling horizontal direction holes in excess of 7000ft.

The drill has a compact footprint mounted on tracks, a 1-piece integrated drilling unit combined with a feed frame that tilts +/- 10 deg and features 556kN push / pull. The system is completed by a rotation unit with a torque capability of 7457Nm.

NOTE The DPI 2000 is designed to and has achieved drilling depths in excess of 7000ft in geologically stable ground. Changes in geology and hole design will impact depth capacity.





Series 850 Iecex
Electrical Starter
In Msha Certified
Enclosure

DDMS, Directional Drilling
Management System

Chuck Style Rod Clamp With
338Kn Axial Holding Force

7,457Nm, High Torque Head
Designed For Slow Controlled
Performance Drilling



+/- 10° Tilting
Feed Frame



4 Floor + 3 Roof Double
Acting Dual Stage
Stabilizers That Allow For
Set Up In 3.3-5m Seams



Yoke And Anchor
For Face Mounting



Specifications

Feed Frame	(metric)	(US imperial)
Type	Twin cylinder	
Feed stroke	2255 mm	88.8 in
Push Force	556 kN @ 300 bar	124,994 lbf @ 4,351 psi
Pull Force	556 kN @ 300 bar	124,994 lbf @ 4,351 psi
Carriage speed	0-20 m/min	0 - 65.6 ft/min
Tilt	+/- 10°	

Chuck & Rod Clamp	(metric)	(US imperial)
Type	Hydraulic open, spring close	
Max opening (with jaws)	114 mm	4.488 in
Max opening (without jaws)	140 mm	5.5 in (PW)
Number of jaws	12	
Axial Holding capacity	338 kN	75,986 lbf

Rotation Unit	(metric)	(US imperial)
Speed	0 - 700 rpm	
Max Torque @ 300 bar	7457 Nm	5,500 lbf ft

Hydraulic System	(metric)	(US imperial)
Type	Axial piston	
Manufacturer	Rexroth	
Main pump	275 L/min @ 300 bar	60 gal/min @ 4,350 psi
Transmission pump	181 L/min @ 300 bar	39 gal/min @ 4,350 psi
Auxiliary pump	65 L/min @ 240 bar	14 gal/min @ 3,481 psi
Cooling system pump	100 l/min	22 gal/min
Hydraulic tank	200 L minimum	8.8 gal



Specifications

Electric Motor	(metric)	(US imperial)
Manufacturer	Baldor	
Size & Type	220 kW (300 hp), certified flame proof	
Power requirements	950V / 50 Hz	
* Can be designed to match underground power available		

Water pump	(metric)	(US imperial)
Manufacturer	FMC	
Model #	L1622	
Flow rate	318 l/min	70 gal/min
Discharge pressure	90 bar	1305 psi

Stingers	(metric)	(US imperial)
Jacks (4 floor / 3 ceiling)	310 kN @ 100bar	69,690 lbf
*When utilizing extensions can operate in 3.3 – 5m seams		



Dimensions

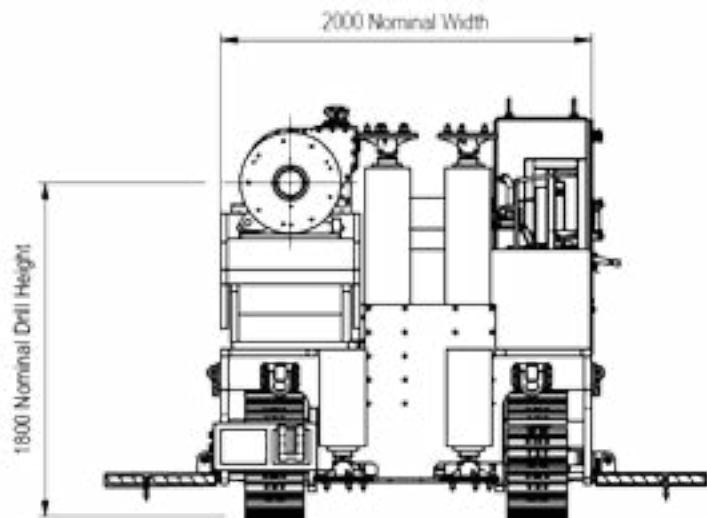
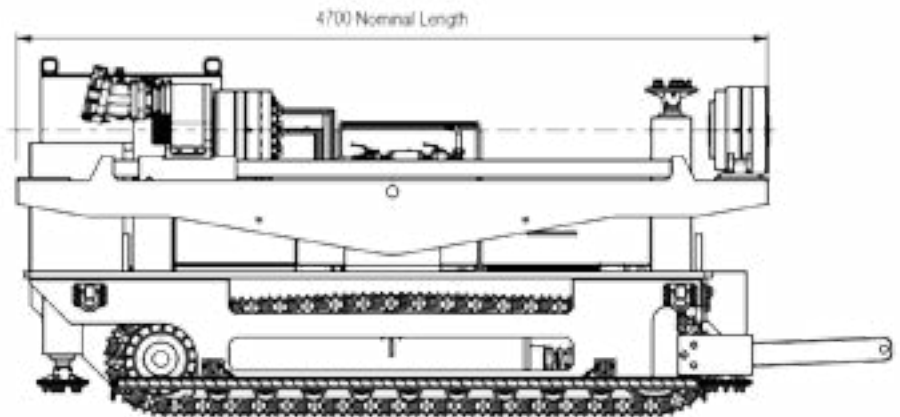
OVERALL WIDTH
2000 mm (78.7 in)

OVERALL LENGTH
4700mm (185 in)

TOTAL HEIGHT
2300 mm (90.6 in)

WEIGHT
24,850 kg (54,785 lb)

WORKING HEIGHT IN SEAM
3.3 – 5 m (10.8 – 16.4 ft)





DPI is a global manufacturer of field-proven directional drilling equipment, including:

- + DDMS
(Directional Drilling Management System)
- + Down Hole Motors
- + Bits and Hole Openers
- + RCS Rods
- + Drill Rigs
- + All Ancillary Equipment

We bring real-world experience and the means to deliver equipment on-demand to anywhere in the world.





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