

Horizontal Directional Drill TERRA-JET DJ 23

Swiss made



TERRA-JET DJ 23

Horizontal Directional Drill

101 HP STRONG DEUTZ DIESEL ENGINE

TERRA-JET DJ 23 is the next generation horizontal directional drill, designed by TERRA to offer enhanced productivity and durability. **TERRA-JET DJ 23** is a horizontal directional drill unit designed for the most challenging projects. Powered by a DEUTZ Diesel engine with **101 HP** (Tier 4 final), this drill offers up to **11 tons** of thrust and pullback force, **3.050 Nm** of torque and a maximum spindle speed of **284 rpm**.



MADE FOR PRODUCTIVITY

The **TERRA-JET DJ 23** is a powerhouse of productivity and sustainability. Its compact size takes up minimal space in the jobsite, while its noise reduction technology provides an awesome operating experience - especially useful for urban applications with quick set up time.

SERVICE FRIENDLY DESIGN

TERRA-JET machines are designed with high quality components with ease of serviceability in mind. The cover can be opened wide for fast maintenance, making them a perfect choice to lower downtime costs while still maximizing performance.



HYDRAULICALLY ROTATABLE CABIN

The **DJ 23** elevates drilling performance with its hydraulically rotatable cabin, allowing the driller to effortlessly adjust their position from **0°-60°** - making sure they are always in optimal control of each job.



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INTEGRATED CAMERA

Enjoy **unparalleled visibility** with our integrated camera that provides a direct view of the drill rod connector right in your cabin. With images streamed directly to you on its high-definition **12" display**, it's the safest & fastest drill in its class.

DRILL ROD MAGAZIN (HOT-DIP GALVANIZED) WITH RELOADING SYSTEM

With the **DJ 23**, you can now reach up to **158 m** with its **52, 3.05 m** drill rods. Keep drilling for longer and enjoy improved durability as each rod is **hot-dip galvanized** for extra protection. Refill your magazine or simply switch out an empty one — it's that easy.

RACK AND PINION

Get **reliable** and **powerful performance** with the Thrust and Pullback of your driving saddle, ensured by a rack and pinion drive. Two hydraulic motors combined with gearboxes move the driving saddle for maximum efficiency. The bent axis variable displacement motor creates high torque (AUTO TORK) that gives you **extra high torque when needed**.

UNIQUE OPERATORS PLATFORM

Horizontal Directional Drill



INTELLIGEN DRILLING ASSISTANT SYSTEMS, 12" SCREEN ON BOARD

The **Intelligent Drilling Assistant** systems, like **Thrust Mode**, **Carve Mode** and **Drill Speed Control** ensures an efficient and stress-free drilling process. The advanced **CLP Control System** enables all drilling assistant systems to gain an understanding of their underground environment, ensuring peak productivity and performance through the 12" Screen for onboard diagnostics.



HIGH QUALITY DRILL RODS

Maximize your work efficiency with the **TERRA-JET DJ 23**. Boasting **3.05 m drill rods** and a **bending radius of 34 m**, drilling around existing utilities has never been easier. Its magazine is also equipped with up to **158 m of drill rods** - perfect for large scale jobs that need to be done quickly.



HIGH DRILLING VOLUME (FMC)

The **DJ 23** is a powerful rig capable of providing superior drilling performance with **185 l/min** flow rate - ideal for those who need more out of their production and efficiency.



OSCILLATING DRILL RAMP

TERRA has developed a patented oscillating drill ramp for the DJ 23. It has two rotation points with two separate cylinders. With this unique system, the drill ramp can achieve a drilling angle from **19 % up to 40 %** (11° - 22°). The rubber crawler stays firm on the ground up to a gradient of 36%.



DRIVE REMOTE CONTROL

With the **DJ 23**, you can make drilling a breeze. The drill comes with an innovative remote drive control that allows operation while standing both beside and behind it - liberating your movement so you can focus on getting even more done.

TERRA-JET DJ 23

Technical Specifications

	METRIC	IMPERIAL (U.S.)
Thrust force	110 kN (11 t)	23.000 lbs
Pullback force	110 kN (11 t)	23.000 lbs
Diesel engine DEUTZ (Tier 4 final)	75 kW	101 HP
Spindle torque, max.	3'100 Nm	2.300 ft.lbs
Spindle speed, max.	284 rpm	284 rpm
Drilling fluid volume, max.	185 l/min	50 gpm
Drilling fluid pressure, max.	80 bar	1.160 psi
Carriage thrust travel speed, quick gear	43 m/min	141 ft/min
Carriage thrust travel speed, at full load	10 m/min	33 ft/min
Carriage pullback travel speed, quick gear	43 m/min	141 ft/min
Carriage pullback travel speed, at full load	10 m/min	33 ft/min
Ø pilot bore	60 – 110 mm	2,5" – 4"
Minimum inclination of the drill ramp	11° (19 %)**	11° (19 %)**
Maximum inclination of the drill ramp	22° (40 %)**	22° (40 %)**
Backreamer diameter, max. *	420 mm	17"
Maximum drilling length *	150 m	500 ft
Drill rods, length	3.05 m	10 ft
Drill rods, diameter	Ø 60/54 mm	Ø 2,4"/2,1"
Bending radius, min.	34 m	110 ft
Driving speed	3.3 km/h	2.3 miles/h
Operator sound pressure	79 dB (A)	79 dB (A)
Exterior sound power	104 dB (A)	104 dB (A)
Dimensions L x W x H (driving position)	5.92 x 1.80 x 2.63 m	19,4 x 5,9 x 8,6 ft
Dimension L x W x H (transportation position)	6.10 x 1.80 x 2.53 m	20,0 x 5,9 x 8,3 ft
Dimension L x W x H (drilling position)	6.07 x 2.20 x 2.53 m	19,9 x 7,2 x 8,3 ft
Weight including cabin, rear blade and 52 drill rods	8'529 kg	18.800 lbs
Weight including cabin and rear blade, without drill rods	7'125 kg	15.700 lbs

* All data depending on ground conditions. Technical Data may change without prior notice.

** At 11-20° (19-36%) the crawler always remains on the ground.

TERRA – always one drill ahead!



PREMIUM DRILLING TOOLS

High quality drilling tools and reamers are available for all ground conditions. They are designed and produced inhouse at TERRA to maintain peak performance.



DCI LOCATING EQUIPMENT

TERRA is an official dealer of DCI. With the new Falcon system even challenging ground conditions with high interferences can be successfully done.



MIXING SYSTEMS

The mixing systems from TERRA allow a fast and efficient mixing of the drilling volume. They are quiet, easy to handle and offer a high capacity of your drilling volume.



CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA-JET Directional Drill is a must have for every contractor!