



THE DR410i BUYER'S GUIDE

CHOOSING THE RIGHT
RIG FOR THE JOB



PRODUCTIVITY UNMATCHED

INTRODUCING THE DR410i

Compact, powerful and technologically advanced, the Sandvik DR410i is designed to deliver unmatched productivity and return on investment. With more than 150 years as the industry leader in the mining industry, we at Sandvik consistently set the standard of excellence, and the DR410i Rotary Blasthole Drill Rig is no exception. We followed four key principles in our innovative design—productivity, maintainability, technology and sustainability—to give you a drill that produces the cleanest, most consistent holes for drilling coal, copper and gold.



DR410i



THE MAST

The DR410i mast design utilizes double cut cross members to increase strength and durability driving increased productivity. With 152–251mm (6" – 9 7/8") diameter blasthole, first pass capacity of 14m (46ft) with optional extended mast, and a max hole depth of 46.6m (153ft), the DR410i delivers cleaner holes with reduced downtime and at a lower cost. It's no wonder that our state-of-the-art mast is one of the top reasons the DR410i is unmatched by competitors.

KEY FEATURES

FEATURE	BENEFIT
Chain Feed System	Improves hole quality which reduces operating costs and improves blast quality, lowering maintenance costs
	Timing sprocket synchronizes left and right chains ensuring consistent feed
14M Mast	Eliminates need to change pipe and improves hole quality and productivity
Auto Chain Tensioning	Increases productivity via reduced scheduled downtime and allows for longer chain life
Mast Access	Increases productivity via reduced downtime with enhanced safety during mast inspections
FRP Grating	Reduces operating cost, and self-cleaning feature enhances safety
Lifeline/Tie-Off*	Improves safety of maintenance personnel, and adheres to working at height regulations

**Optional*





PIPE AND TOOL HANDLING

The DR410i's Pipe and Tool Handling has proven, reliable hands-free bit changing and increased tool life to deliver improved productivity, reduced total cost of ownership and chance of injury.

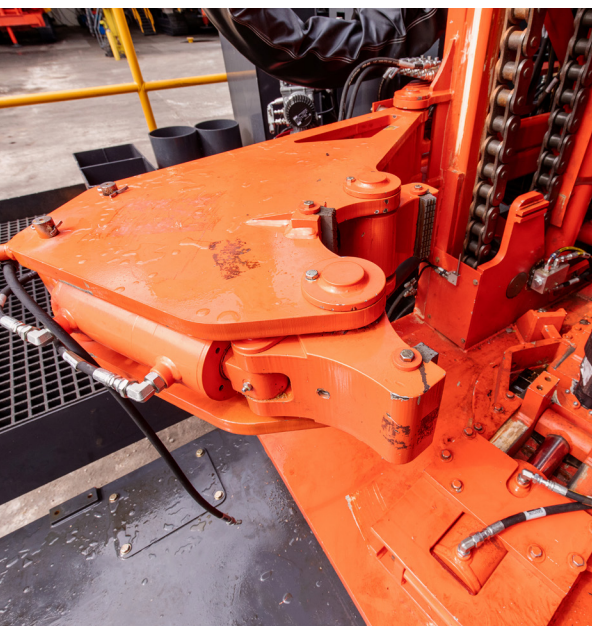


KEY FEATURES

FEATURE	BENEFIT
Breakout System	The Sandvik-designed system** reduces injury potential and offers safer bit changes
Deck Crane*	Allows for one man operation for bit change without manual lifting
Auto Thread In/Out	Increases tool joint life leads to reduced operating costs
Pipe Centralizer	Increases life of rig components and improves accuracy and quality of drilling vertical and angle holes

**Optional*

***Sandvik is the only OEM to offer a self-designed system*

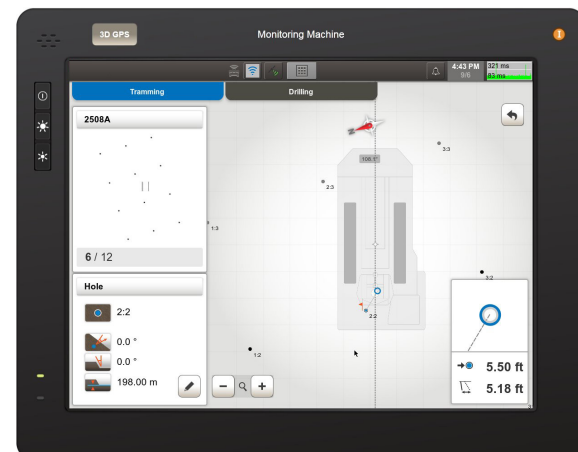


AUTOMATION AND TECHNOLOGY

One of the defining features of the DR410i is its scalable automation and technology packages. The DR410i can create highly repeatable, precision-drilled holes, leading to maximum utilization and improved downstream throughput. The High-precision Navigation and On-board Operator Assist allow for improved blast quality and fragmentation while requiring less input and skill from operators—overall, being more efficient and cost-effective.

KEY FEATURES

FEATURE	BENEFIT
High-precision Navigation	Improves blast quality/fragmentation, leading to reduced labor and cost with increased productivity and throughput
Auto Mast	Angle drilling accuracy improves fragmentation while reducing stress on structural weldments
Auto Level	Precision leveling improves productivity and reduces structural stress
Auto Drill	Allows faster, more precise drilling, improving truck/shovel cycle times and dozer rework
Auto Pipe Handling	Increases tool life and provides pipe change consistency, saving on operating costs for maintenance and replacements of components
Connectivity to Third Party Data	OEM agnostic, streamlining flow between applications and automating data transfer
AutoMine Compatible	Allows faster implementation of automated solutions with scalable options, so you can add functionality as needed





INTELLIGENT FEATURES

The DR410i is loaded with intelligent features, helping operators take the guesswork out of daily activities. Features like Intelligent Cooler Control, On-board Diagnostics, System Health, Wireless Remote Control, SICA Control System and Electronic Depth Counter help maintain operator awareness. This provides operators the ability to identify and rectify potential issues as (or before) they arise, ensuring production while limiting down-time and cost.

KEY FEATURES

FEATURE	BENEFIT
Intelligent Cooler Control	Precision control over cooler temperature helps improve component life and reduces fuel burn, system load and noise
On-board Diagnostics	Reduces troubleshooting time to increase productivity
System Health	Identifies potential maintenance issues quickly with remote monitoring
Wireless Remote Trammig	Enhances safety by removing operators from dangerous environments
SICA Control System	Employs consistent operating experience across all Sandvik iSeries family with proven reliability and improved control of rig functions
Electronic Depth Counter	Precision hole depth improves blast quality/fragmentation

MAINTENANCE

The DR410i was designed to be maintenance friendly, reducing the time needed for scheduled and unscheduled tasks. By minimizing the need for maintenance personnel contact with the drill, you greatly improve your return on investment.

KEY FEATURES

FEATURE	BENEFIT
Accessibility	Allows easy access to frequently maintained components
Centralized Service Center	Reduced time for scheduled daily tasks (fluid fills), improving utilization, less chance of fluid spills reduces potential negative environmental impact
Live SOS Sampling	Eliminates unnecessary fluid changes and reduces possible contamination to a closed loop system
Off-board Diagnostic Connection	Reduces time to remedy system errors with a direct connection to factory experts
Segregated Hydraulic Piping and Electrical Wiring	Improves troubleshooting with simplified maintenance, ensuring regulatory compliance
Does Not Require DEF	Reduces service requirements with less fluids to manage, lowering operating costs
Sandvik Support	Tailors options to fit your requirements with specialized OEM trained technicians
Centralized Lubrication System	Extends moving component life, resulting in less maintenance time
Sandvik Designed Tracks	Robust design improves track life





ERGONOMICS AND SAFETY



Safety is our #1 concern. The Sandvik DR410i utilizes key safety features to help reduce risks to mine personnel operating in dangerous environments. We've also implemented special ergonomic features to enhance the operators interface with the machine, leading to improved operator ease, comfort and production.

KEY FEATURES

FEATURE	BENEFIT
Quiet Cabin	Provides more comfortable environment for operators
In-seat Controls, GUI	Ergonomic for operators' comfort with instant access to drill information and diagnostics
Safety Features (interlocks) Throughout	Helps reduce chances of operator error, improving safety and reducing downtime
Whip Check	Improves safety and compliance
Bit Change Above Deck & Bit/Hammer Storage	Improves safety and accessibility
Safari Roof	Provides better climate control, creating a more comfortable environment for operators
Oversized Drillers Window	Improved visibility reduces error potential and machine damage



ROTARY HEAD

We've redesigned the rotary head for the DR410i, allowing for extended fluid and component life. Faster, safer replacements reduce maintenance intervals and limit chance of potential injury.

KEY FEATURES

FEATURE	BENEFIT
Rotary Head Fluid Filter	Increases rotary head and fluid life
Quick Change Rotary Head	Provides faster and safer replacements



COMPACT DESIGN

Our DR410i is designed to be a robust machine with optimum weight-to-power ratio. The compact and intelligent footprint enables more efficient, lower cost rig movement within or between mine sites.

KEY FEATURES

FEATURE	BENEFIT
Compact Machine Dimensions	Powerful design optimizes weight to power ratio in a compact footprint

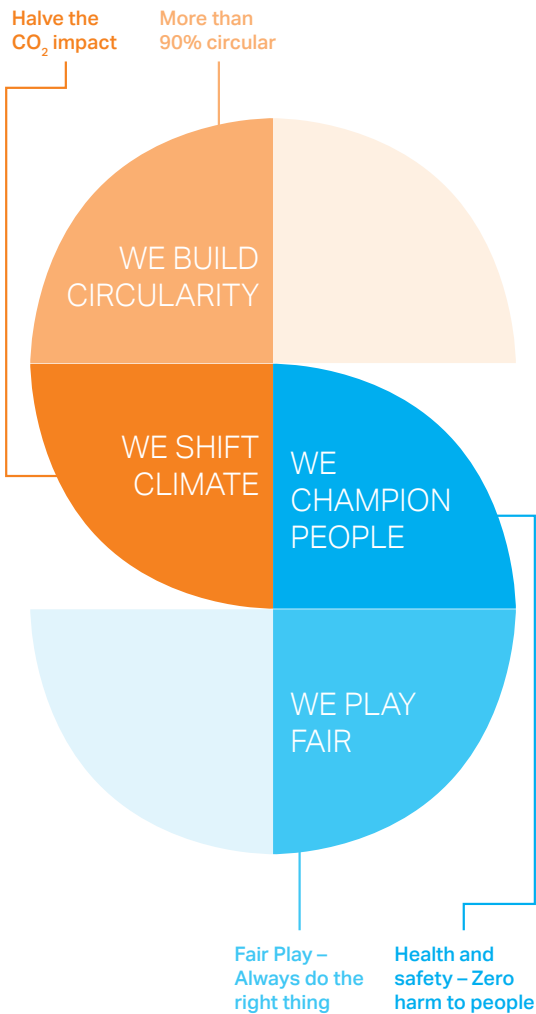


SUSTAINABILITY

Sandvik makes sustainability a priority, and our DR410i is no exception. With intelligent system load management, the DR410i reduces carbon emissions while extending component life. Not only can you feel good about reducing your environmental footprint, reduced fueling events and system load can all lead to lower operating costs—making it a win-win.

KEY FEATURES

FEATURE	BENEFIT
Compressor Volume Matched to Application	Reduces fuel burn, system load and environmental footprint
	Extends engine and compressor life
Compressor Control System	Reduces noise, fuel burn, system load and environmental footprint while increasing component life and hole quality finish
Operational Readiness Document	Formalized plan for drill implementation creates a faster ROI
Structural Testing	Increases confidence in machine durability, reliability and quality



DR410i ROTARY BLASTHOLE DRILL PRODUCTIVITY UNMATCHED

**LEARN MORE ABOUT HOW THE POWERFUL
DR410i BLASTHOLE DRILL CAN ENHANCE
YOUR DRILLING OPERATION**

Have any questions about how the Sandvik DR410i stacks up against the competition? Want to know how it can directly improve your drilling operation? Talk to one of our dedicated Sandvik representatives today and find out how you can add the DR410i to your rig team.





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