

D25KS and D245S blasthole drills

Sandvik is a high-technology engineering group with world-leading positions in selected areas – tools for metal working, advanced materials technology, and mining and construction. We are represented in 130 countries.

Sandvik Mining and Construction represents one third of the overall Sandvik Group and serves a broad range of customers in construction, mineral exploration, mining and bulk materials handling. Our construction expertise covers quarrying, tunneling, demolition and recycling, and other civil engineering applications. Our mining products and services support customers on the surface and under ground, in all mineral, coal and metal mining applications from exploration to ore transportation.





Compact drills deliver top performance

BUILT TO LAST!

Rotary blasthole drills from Sandvik set the standard for productivity, durability, and cost effectiveness. These machines are built for continuous drilling in some of the harshest operating environments in the world. Proven designs, rigid lattice style masts, heavy duty pulldown chains, and durable power groups place these rigs in a class of their own. Structural strength, easy maintenance, and world-wide support, all maximize drilling time and keep you on top of your production schedule. Sandvik also offers the world's widest range of tools and accessories for rock drilling. Equip these drills with products that are renowned for quality and high performance and you build a complete drilling system unmatched in productivity. Choose the right Sandvik rig for your needs and count on it to perform for years to come.

PROVEN DRILLS FOR DEPENDABLE OPERATION

The diesel powered, self-propelled crawler mounted D25KS and D245S drills deliver the most performance from a compact production machine. Sharing a common platform, the extensive lists of standard and optional equipment maximize these drills' performances in an impressive range of applications. Regardless of the specification, each D25KS and D245S is mounted on a powerful undercarriage and is highly maneuverable and stable. First pass capability is 8,65 m (28' 5"), augmented with additional pipe loaders for multi-pass drilling.

Consider Sandvik your source for equipment that meets the challenges of adapting to rugged mining environments. The D25KS and D245S have proven their worth around the world from the extreme cold of the North slope in the Arctic to the blazing heat of the mines in Africa. When you offload the drill on your jobsite you reduce a big part of your scheduling problems. These drills are rugged, dependable, with downtime at a minimum. Plenty of power to get the job done. Now you can focus on your real work. Production.



D25KS

The D25KS is equipped as a down-the-hole (DTH) hammer drill, including a high pressure air compressor, air line lubricator and fine feed control. It is commonly used in large quarries and in gold and other metals mines. It is the drill of choice among many contractors.

- 127 to 172 mm (5" to 6 3/4") diameter holes
- Drilled depths up to 27 m (88')
- Pulldown 124 kN (27 800 lbf)
- Bit load up to 143 kN (32 000 lbf)

D245S

The D245S comes standard as a rotary drill, with a low pressure compressor and stronger hydraulics for pulldown. Its most popular application is coal mining. With optional high pressure air, the D245S is a versatile combination machine to rotary drill in overburden and hammer drill in aggregate or ore.

- 127 to 203 mm (5" to 8") diameter holes
- Drilled depths up to 45 m (148')
- Pulldown 185 kN (41 500 lbf)
- Bit load up to 209 kN (47 000 lbf)

Top performance from compact drills



PRODUCTIVE OPERATOR'S ENVIRONMENT

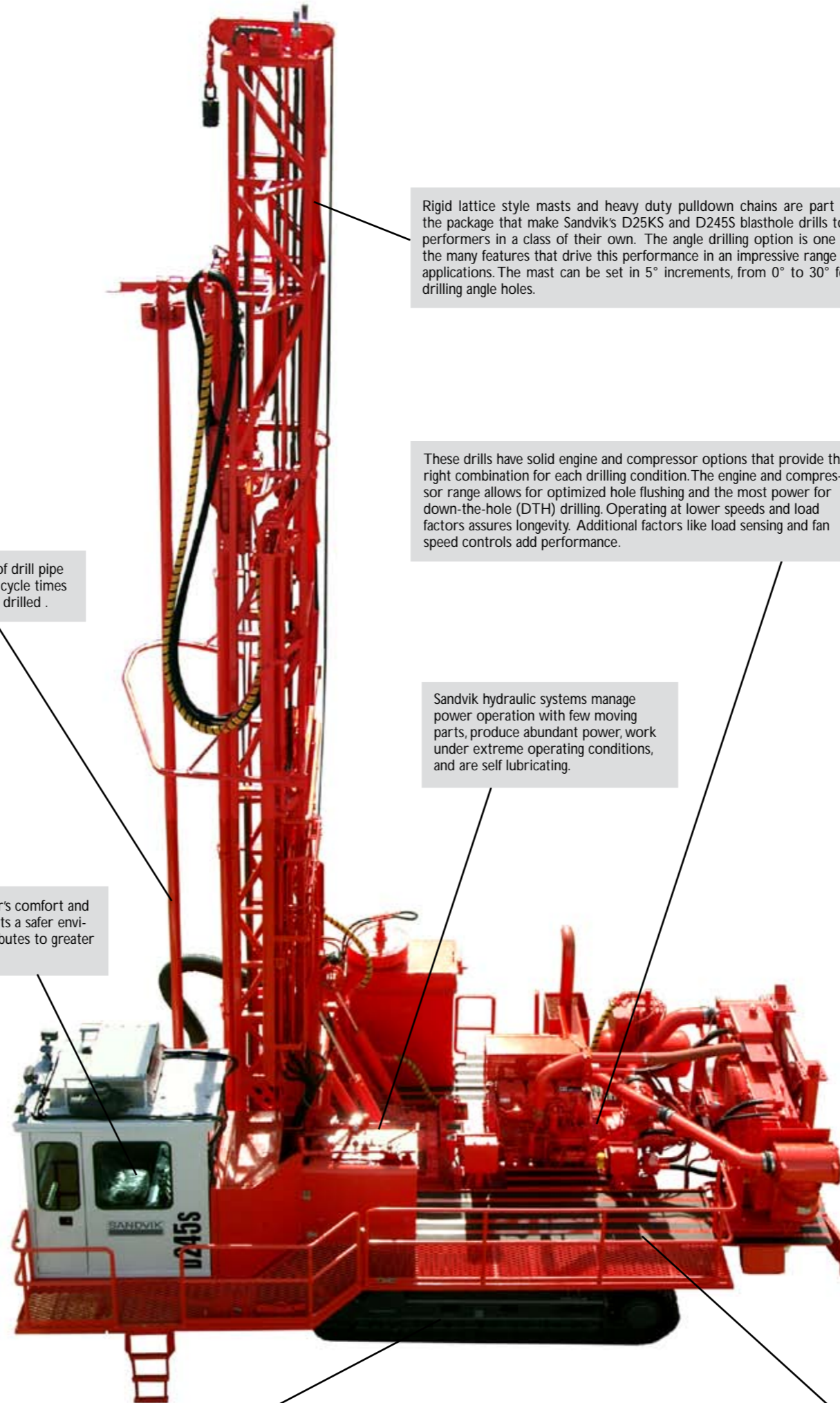
- Excellent visibility of the drilling operation
- Higher productivity with quicker holespotting
 - Fast set-up for drilling
- Comfortable environment with shock mounted cab
- Roller sunshades to reduce glare
- Thermal insulation and noise reduction to 81,8 dBA
- Drill controls arranged logically on the console
 - Ease of operation
 - Intuitive fast learning
- Air conditioning/heating/pressurizing unit for operator comfort
- FOPS approved in compliance with mining safety requirements
- Extended cab provides ample work space for a trainer



POWERFUL DRILLING PLATFORM

- Wide flange I-beam rails on main frames
 - WF 14 X 74, ASTM alloy A572, grade 50 steel
 - Solid support for mounted components
- 325 class undercarriage
 - Excellent stability for the drill
 - Total reliability on difficult grades
 - Hydrostatic drive power: 85 kW (114 hp) per track (D25KS)
 - Hydrostatic drive power: 97 kW (130 hp) per track (D245S)
 - Delivers top slewing power for faster hole-spotting
- Fixed axle under the mast pedestal
- Equalizer axle at the other end of the tracks
 - Effective side to side movement
 - Reduces stress on the frame for longer frame life
 - More fatigue resistance and increased mobility

Moving and set-up are important parts of the drilling cycle. To overcome the rugged terrain in a mining environment, Sandvik drills deliver top performance from strong, structurally sound undercarriages and heavy duty frames.



Rigid lattice style masts and heavy duty pulldown chains are part of the package that make Sandvik's D25KS and D245S blasthole drills top performers in a class of their own. The angle drilling option is one of the many features that drive this performance in an impressive range of applications. The mast can be set in 5° increments, from 0° to 30° for drilling angle holes.

These drills have solid engine and compressor options that provide the right combination for each drilling condition. The engine and compressor range allows for optimized hole flushing and the most power for down-the-hole (DTH) drilling. Operating at lower speeds and load factors assures longevity. Additional factors like load sensing and fan speed controls add performance.

Sandvik hydraulic systems manage power operation with few moving parts, produce abundant power, work under extreme operating conditions, and are self lubricating.

The effective handling of drill pipe contributes to shorter cycle times and getting more holes drilled.

Increasing the driller's comfort and functionality, supports a safer environment and contributes to greater work output.

Even the best systems fail from time to time. Operators need a well designed work deck area. These drills offer the quick access that gets you up and running.



EFFICIENT HYDRAULICS

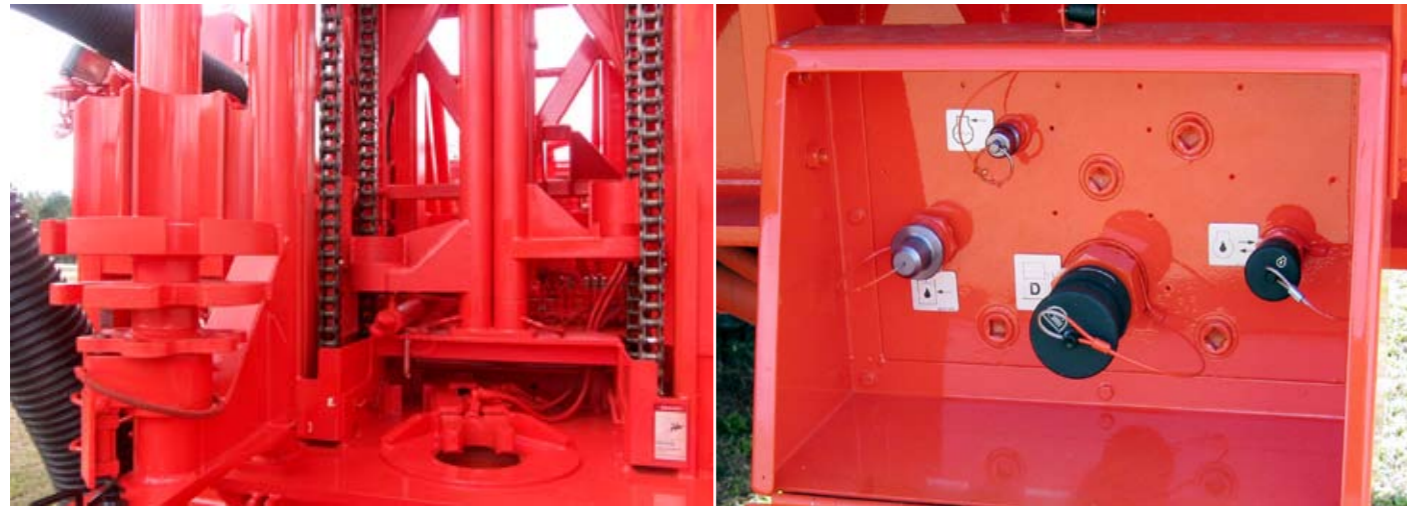
- Closed loop system for rotation, feed, track and fan circuits
 - Lowers operating costs
 - Reduces power consumption
- Large 511 L (135 gal) pressurized hydraulic oil reservoir
 - Reduces the number of oil cycles
 - Lowers oil temperatures
 - Extends service intervals
- 3 μm (3 micron) filtration
 - Cleaner system
 - Extends component life
 - Lowers maintenance costs



OPTIMIZED POWER DELIVERY

- Diesel engines, matched for high or low pressure compressors and required volume
 - Long life and lower fuel consumption
- Tier III C15, C18 or QSX15 engines rated 354 - 470 kW (475 - 630 hp)
 - Most effectively operating at 1800 rpm
 - Provide optimum power at lower cycling times and better efficiency
- Full range of compressors producing
 - 25,5 - 34,7 m³/min (900 - 1225 SCFM) @ 6,9 or 24,1 Bar (100 - 350 psi)
 - The compressor is mounted directly to the flywheel housing in line with the engine for efficient power transfer
- 54°C (130°F) ambient temperature cooling system
 - Direct drive fan
 - Fan is hydraulically delayed during start-up of engine for maximum torque
- An optional cold weather package lowers the temperature range for frigid conditions up to arctic weather

Great versatility for top production



EFFECTIVE PIPE HANDLING

- The pipe size for the D25KS and D245S is 9,14 m (30') long pipes in diameters 89 -140 mm, (3-1/2" to 5-1/2") in alternative loaders
- As an option, both an inside and outside loader are available
 - Flexible hole sizes
 - Extended depth capacity
 - Ability to carry two pipe sizes for special applications
- Pipe loading is controlled from the operator's cab
- Holding wrench and optional hydraulic auto tong wrench and pipe thread greaser:
 - Help to break loose tight pipe joints
- Hydraulic loader swing and indexing:
 - Simplicity of very few moving parts in the loader
 - Higher productivity
 - Lower maintenance and drill pipe cost

EXCELLENT SERVICEABILITY

- D25KS and D245S open in-line design - with all components very accessible
 - Ease in service and maintenance
 - Walkways are provided to reach major components
- Fluids service center option, for filling fuel, hydraulics, and water and for hydraulic evacuation
 - Faster servicing
 - Greater availability of the drills
- Central greasing station options, manual or electric are available for lubricating
 - Reduces wear at main pivot points
 - Increases serviceability
 - Adds to the availability of the drills
- Ease of service is a priority with Sandvik equipment

D25KS popular options

Compressor option 28,3 m³/min (1000 SCFM) @24,1 Bar (350 psi)

Multiple dry dust collection and water injection systems

4 pod, inside and outside loader systems, 89-140 mm (3 1/2" - 5 1/2"), 9,14 m (30') long pipe

Central lubrication and fluid systems

Cold and arctic weather equipment

Extended cab and connecting walkway

Benefits

Increased productivity with 6" hammer
Improved hole cleaning

Advanced chip removal and dust suppression
Meets or exceeds regulatory standards

Capability to carry multiple pipe sizes
Increased on board depth capacity

Speed of servicing
Cleaner operation

Enables operation in extreme environments

Improved service access, comfort and efficiency

D245S popular options

Compressors available up to 34,7 m³/min (1225 SCFM) @ 6,9 Bar (100 psi), Cat or Cummins

Multiple dry dust collection and water injection systems

2 pod, inside and outside loader systems, 89-140 mm (3 1/2" - 5 1/2"), 9,14 m (30') long pipe

Central lubrication and fluid systems

Drill monitoring system

Extended cab and connecting walkway

Benefits

Capability of operating at high elevation
Improved cleaning of large holes

Advanced chip removal and dust suppression
Meets or exceeds regulatory standards

Capability to carry multiple pipe sizes
Increased on board depth capacity

Speed of servicing
Cleaner operation

For preventative maintenance in operations

Improved training, comfort and efficiency

Technical Data

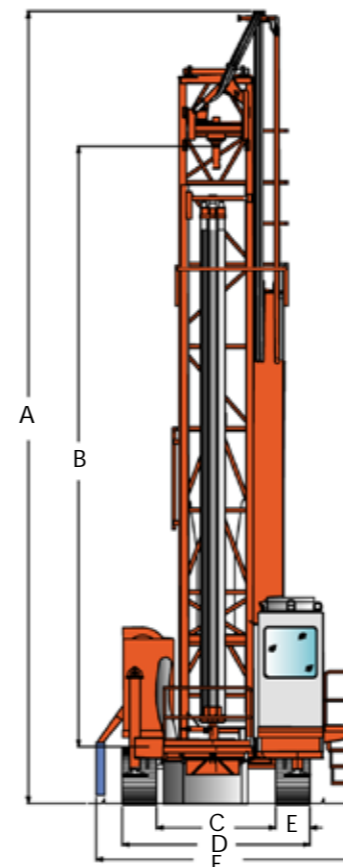
D25KS	
Hole diameter	127 mm - 172 mm (5" - 6 3/4")
Drill pipe	9,14 m (30')
Hole depth	27 m (88')
Undercarriage	325 class Excavator
Max pull-down	124 kN (27 800 lbf)
Bit load	143 kN (32 000 lbf)
Engine	354 kW (475 hp)
Compressor	25,5 m³/min (900 cfm) 24,1 Bar (350 psi)
Feed rate	0-21 m/min (0-68 fpm)
Hoist rate	0-54 m/min (0-176 fpm)
Rotation speed	0-95 rpm
Rotation torque	8 282 Nm (73 300 in-lb)
Operating wt	33 566 kg (74 000 lb)

Shipping Dimensions	
Mast assembly length	13,72 m (45' 0")
Mast assembly width	2,13 m (7' 0") with inside loader
Mast assembly height	1,83 m (6' 0")
Mast assembly weight	9 979 kg (22 000 lb)
Base/frame length	8,64 m (28' 4")
Base/frame width	3,91 m (12' 10")
Base/frame height	3,78 m (12' 5")
Base/frame weight (std)	23 587 kg (52 000 lb)

D245S	
Hole diameter	127 mm - 203 mm (5"-8")
Drill pipe	9,14 m (30')
Hole depth	45 m (148')
Undercarriage	325 class Excavator
Max pull-down	185 kN (41 500 lbf)
Bit load	209 kN (47 000 lbf)
Engine	354 kW (475 hp)
Compressor	25,5 m³/min (900 cfm) 6,9 Bar (100 psi)
Feed rate	0-32 m/min (0-105 fpm)
Hoist rate	0-68,3 m/min (0-224 fpm)
Rotation speed	0-114 rpm
Rotation torque	8 282 Nm (73 300 in-lb)
Operating wt	33 566 kg (74 000 lb)

Shipping Dimensions	
Mast assembly length	13,79 m (45' 3")
Mast assembly width	2,54 m (8' 4") with outside loader
Mast assembly height	1,83 m (6' 0")
Mast assembly weight	9 979 kg (22 000 lb)
Base/frame length	9,86 m (32' 4")
Base/frame width	3,81 m (12' 6")
Base/frame height	3,81 m (12' 6")
Base/frame weight (std)	27 216 kg (60 000 lb)

Performance ratings are based upon optimum conditions. This capacity may vary according to operating location. Sandvik reserves the right to amend these specifications without notice. Shipping dimensions vary with option selected.



D25KS/D245S			
A	Mast up (height)	14,07 m	46' 2"
B	Bullshaft to table	10,67 m	35' 0"
C	Track to track inside measurement	2,13 m	7' 0"
D	Track to track outside measurement	3,35 m	11' 0"
E	Track width	0,61 m	2' 0"
F	Overall machine width (operating)	4,65 m	15' 3"
G	Work deck height (mast down)	5,74 m	18' 10"
H	Height to drill table (mast down)	3,91 m	13' 8"
I	Cab (height)	2,10 m	6' 11"
J	Height to drill table (mast up)	1,02 m	3' 4"
K	Ground level to jack pad (jack retracted rear)	0,48 m	1' 7"
L	Centerline of jack to axle (rear)	1,59 m	5' 2 1/2"
M	Track length	4,37 m	14' 4"
N	Drill length (mast up)	8,69 m	28' 6"
O	Drill length (mast down)	13,28 m	43' 7"
P	Ground level to jack pad (jack retracted front)	0,64 m	2' 1"
Q	Ground level to deck frame (height)	1,17 m	3' 10"
R	Safety hoop height (mast down)	4,24 m	13' 11"