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 underground, in all mineral, coal and metal mining applications to ore transportation.
The D55SP comes with low-pressure air for rotary drilling or high-pressure air for down-the-hole (DTH) drilling. The drill excels in single pass drilling, where productivity increases significantly, in particular in soft and medium hard rock. Also in angle drilling which is a standard feature.

- 172 to 254 mm (6 3/4" to 10") diameter holes
- Single pass depths up to 17 m (55’)
- Pulldown 200 kN (45 000 lbf)
- Bit load up to 232 kN (52 000 lbf)

The D75KS comes with low pressure air for rotary drilling. Optional high pressure compressors add flexibility to drill with 8” hammers. It is a rugged and time-proven design often found in stripping applications in coal or metal mines. These drills are rugged, dependable, with downtime at a minimum. Plenty of power to get the job done. With these aggressive drills in your fleet you can focus on your real work. Production.

- 229 to 279 mm (9" to 11") diameter holes
- Multi-pass drill for up to 53 m (173’) high benches
- Pulldown 334 kN (75 000 lbf)
- Bit load up to 409 kN (92 000 lbf)

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.

The D55SP and D75KS are two unique, large diesel-powered, crawler-mounted blasthole drills. Based on the same platform, but with different standard configurations and well developed options, each machine is built for optimum performance in a broad range of mining applications. With their heavy-duty frames and undercarriages, it is no wonder they have built such a reputation for longevity and solid performance.

Consider Sandvik your source for equipment that meets the challenges of adapting to rugged mining environments. The D55SP and D75KS have proven their worth around the world in the mines of Australia, North and South America, Europe, Africa and Asia, most commonly in coal or metal mines. These drills are rugged, dependable, with downtime at a minimum. Plenty of power to get the job done. With these aggressive drills in your fleet you can focus on your real work. Production.
Top penetration from powerful drills

PRODUCTIVE OPERATOR’S ENVIRONMENT
- Excellent visibility of the drilling operation
- Higher productivity with quicker hole spotting
- Fast set-up for drilling
- Comfortable environment with shock mounted cab
- Roller sunshades to reduce glare
- Thermal insulation and noise reduction to 80 dBA
- Drill controls arranged logically on the console
  - Ease of operation
  - Intuitive fast learning
- Air conditioning/heating/pressurizing unit for operator comfort with less fatigue
- FOPS approved in compliance with mining safety requirements
- Extended cab provides ample work space for a trainer

EFFICIENT HYDRAULICS
- Closed loop system for rotation, feed, track and fan circuits
  - Lowers operating costs
  - Reduces power consumption
- Large 872 L (230 gal) pressurized hydraulic oil reservoir
  - Reduces the number of oil cycles
  - Lower oil temperatures
  - Extends service intervals
  - 5 µm (5 micron) filtration
  - Cleaner system
  - Extends component life
  - Lowers maintenance costs

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
- 330SL (D55SP), 330EL (D75KS) class undercarriages
  - Excellent stability for the drill
  - Total reliability on difficult grades
  - Hydrostatic drive power: 119 kW (160 hp) per track (D55SP)(D75KS)
  - 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

OPTIMIZED POWER DELIVERY
- Diesel engines, matched for high or low pressure compressors and required volume
  - Long life and lower fuel consumption
- Tier III C27 or QSK19C engines rated 567 - 708 kW (760 - 949 hp)
  - Most effectively operating at 1800 rpm
  - Provide optimum power at lower cycling times and better efficiency
- Full range of compressors producing
  - 38.2 - 56.6 m³/min (1350 - 2000 SCFM) @ 6.9 or 24.5 Bar (100 - 350 psi)
  - The compressor is mounted directly to the flywheel housing
  - In-line with the engine for efficient power transfer
- Cooling systems: -26°C (-15°F) up to 54°C (130° F) ambient temperature
  - 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 down to arctic weather

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 at lower speeds and load factors assures longevity. Additional factors like load sensing and fan speed controls aid performance.

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

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.

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

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

The effective handling of drill pipe contributes to shorter cycle times and more holes drilled.
Robust design for top production

**Robust design**

56,6 m³/min (2000 SCFM) @ 6.9 Bar

**Water injection systems**

Cold and arctic weather equipment

**Various rotary head speed/torque combinations**

**Cold and arctic weather equipment**

**D55SP popular options**

- In diameters 194-244 mm, (7 5/8” - 9 5/8”)
- Lower maintenance and drill pipe cost
- Higher productivity
- Helps to break loose tight joint and pipe thread greaser
- Extended depth capacity
- The D55SP has a four pod loader, inside mast and the D75KS has a four pod loader, inside mast
- Pipe loading is controlled from the operator’s cab

**D75KS popular options**

- In diameters 194-244 mm, (7 5/8” - 9 5/8”)
- Added to the availability of the drills
- Increases serviceability
- Reduces wear at main pivot points
- Greater availability of the drills
- - Water and for hydraulic evacuation
- - Central greasing station options, manual or electric, are provided
- - Walkways are provided to reach major components
- - Very accessible
- - D55SP and D75KS open in-line design - with all components very accessible

**Benefits**

- Increased productivity with 6" and 8" hammers
- Improved hole cleaning
- Advanced chip removal and dust suppression
- Meets or exceeds regulatory standards
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- Meets or exceeds regulatory standards
- Capability of operating at high elevation
- Improved cleaning of large holes
- Advanced chip removal and dust suppression
- Meets or exceeds regulatory standards

**Technical Data**

**D55SP**

- Hole diameter: 172 mm - 254 mm (6 3/4"-10")
- Drill pipe: 7.62 m (25')
- Hole depth: 17 m (55') single pass
- Undercarriage: 330SL class Excavator
- Max pulldown: 200 kN (45 000 lbf)
- Bit load: 232 kN (52 000 lbf)
- Engine: 597 KW (800 hp)
- Compressor: 45.3 m³/min (1600 scfm) @ 6.9 Bar (100 psi)
- Feed rate: 0-35.4 mm/min (0-116 fpm)
- Hoist rate: 0.610 m/min (0-202 fpm)
- Rotation speed: 0-131 RPM
- Rotation torque: 9934 Nm (88 000 in-lb)
- Operating weight: 79 832 kg (176 000 lb)

**D75KS**

- Hole diameter: 229 mm - 279 mm (9"-11")
- Drill pipe: 10.67 m (35')
- Hole depth: 45 m (148')
- Undercarriage: 330EEL class Excavator
- Max pulldown: 334 kN (75 000 lbf)
- Bit load: 409 kN (92 000 lbf)
- Engine: 597 KW (800 hp)
- Compressor: 45.3 m³/min (1600 scfm) @ 6.9 Bar (100 psi)
- Feed rate: 0.27 m/min (0-89 fpm)
- Hoist rate: 0.348 m/min (0-114 fpm)
- Rotation speed: 0.94 RPM
- Rotation torque: 14 236 Nm (126 000 in-lb)
- Operating weight: 64 864 kg (143 000 lb)

**Shipping Dimensions**

**D55SP**

- Base/frame weight (std): 65 317 kg (144 000 lb)
- Base/frame width: 4.32 m (14’ 2")
- Base/frame length: 11.96 m (39’ 3")
- Mast assembly height: 2.51 m (8’ 3")
- Mast assembly width: 2.46 m (8’ 1")
- Mast assembly length: 22.45 m (73’ 8")
- Operating weight: 79 832 kg (176 000 lb)
- Rotation torque: 9934 Nm (88 000 in-lb)
- Rotation speed: 0-131 RPM
- Hoist rate: 0.610 m/min (0-202 fpm)
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**D75KS**

- Base/frame weight (std): 61 377 kg (137 000 lb)
- Base/frame height: 4.17 m (13’ 8")
- Base/frame width: 2.59 m (8’ 6")
- Base/frame length: 12.14 m (39’ 10")
- Mast assembly weight: 18 144 kg (40 000 lb)
- Base/frame length: 12.14 m (39’ 10")
- Base/frame width: 4.32 m (14’ 2")
- Base/frame height: 4.31 m (13’ 9")
- Base/frame weight (std): 65 317 kg (144 000 lb)

**Performance ratings are based upon optimum conditions. This capacity may vary according to operating location.**

**Cost effective preventive maintenance**

**Quick diagnostics and troubleshooting**

**Improved hole cleaning**

**Increased productivity**

**Cost effective preventive maintenance**

**Capability of operating in various ground conditions**

**Speed of service**

**Cleaner operation**

**For preventative maintenance in operations**

**Effective Serviceability**

- D55SP and D75KS open in-line design - with all components very accessible
- - Ease in service and maintenance
- - Work areas are provided to reach major components
- - Fluids service center option for filling fuel, hydraulic fluid, and water 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

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