

RANGER™ DXR SERIES

THE RANGER IS HERE!

SANDVIK

Ver 1.2



	Ranger™ DX600R	Ranger™ DX800R
Recommended hole-dia	64–102 mm, 2½”–4”	76–127 mm, 3”–5”
Drill rod / tube diameters	38, 45, 51 mm 1½”, 1¾”, 2”	45, 51 mm 1¾”, 2”
Hydraulic rock drill	HL650	HL820T / HF820T (optional)
Percussion output power	17,5 kW 23,5 hp	21 kW / 23 kW 28 hp / 30,5 hp
Engine type	Caterpillar C7.1 Tier 4 Final Caterpillar C7.1 Tier 3	Caterpillar C7.1 Tier 4 Final Caterpillar C7.1 Tier 3
Engine output power	168 kW / 1800 rpm 228 hp / 1800 rpm	168 kW / 1800 rpm 228 hp / 1800 rpm
Flushing air capacity	6,2 m³ / min 219 cfm twin-pressure compressor	8,1 m³ / min 286 cfm twin-pressure compressor
User interface	Radio remote	Radio remote

RANGER™ DXR SERIES PRODUCT MODELS

RANGER™ DXR SERIES APPLICATIONS



- CIVIL CONSTRUCTION
 - ROAD
 - RAILROAD
 - TUNNELS
 - CANALS
- PRODUCTION DRILLING
- SITE PREPARATION
 - BUILDINGS
 - QUARRIES
 - OPEN PIT MINES
- WALL CONTROL
- PIPELINE WORK

RANGER™ DXR SERIES CUSTOMER BENEFITS



**EXTREME
PERFORMANCE**



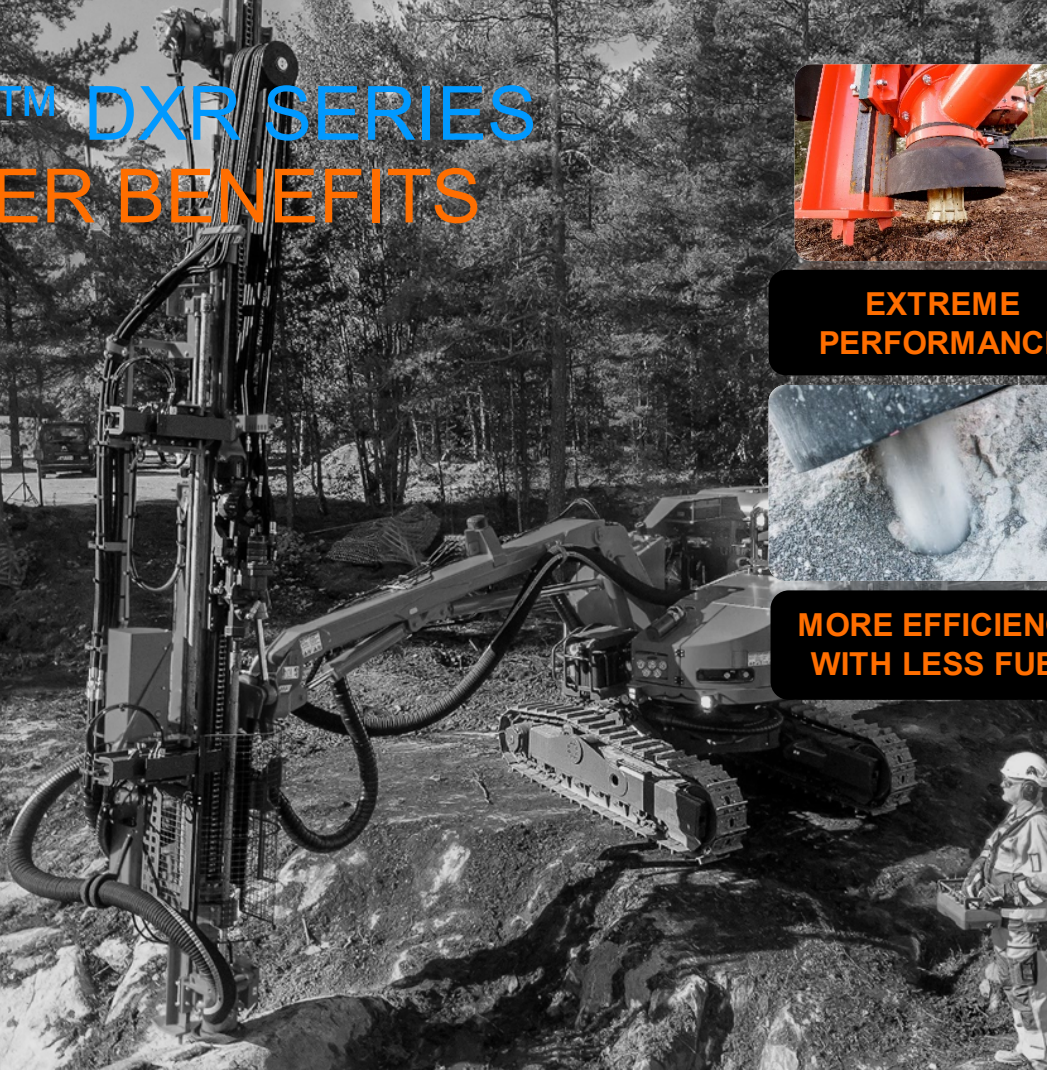
**PERFECT HOLE
QUALITY**



**MORE EFFICIENCY
WITH LESS FUEL**



**EASE OF
OPERATION**



EXTREME PERFORMANCE RANGER™ DXR SERIES

WHAT
DO
YOU
GET ?

CUSTOMER BENEFITS

- RELIABILITY
- HIGH PRODUCTIVITY
- EXCELLENT MOBILITY

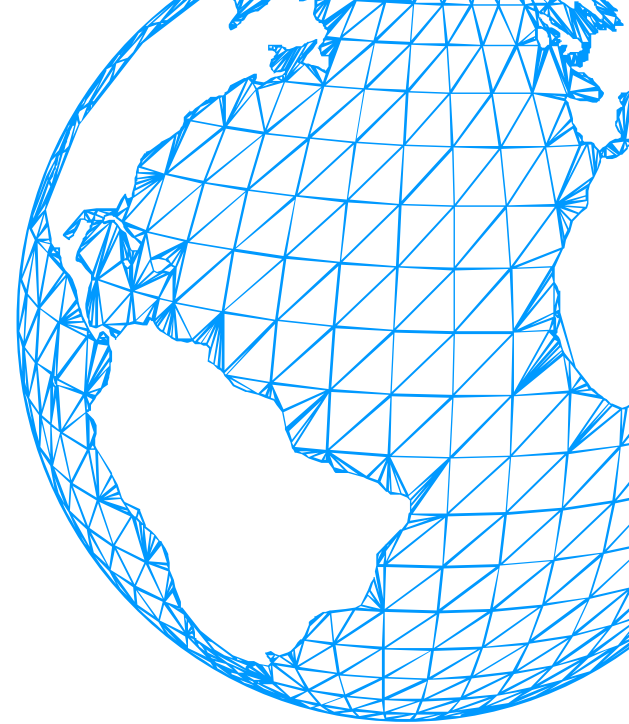
EXTREME PERFORMANCE RANGER™ DXR SERIES

- Ranger™ DX series rigs are designed to perform in tough conditions all over the world.

*”MORE THAN 3500 DELIVERED
RANGERS WOLDWIDE PROVE THE
SUCCESS AND RELIABILITY ”*

- Only high quality and world class components have been selected to guarantee long equipment lifetime.

*”THE MOST
COMPREHENSIVE
WARRANTY COVERAGE”*

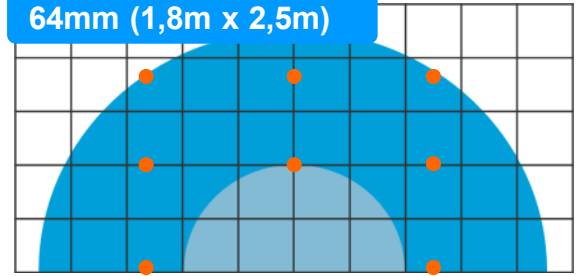


EXTREME PERFORMANCE

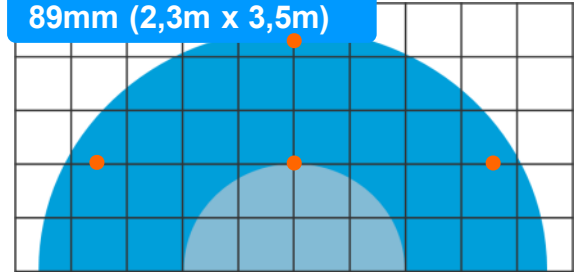
RANGER™ DXR SERIES

- Largest drilling coverage on market with revolving superstructure and articulated boom structure.
- Unique 120°/180° feature adds productivity and safety in all applications.
 - Decreases non-drilling time and improves productivity + 20 - 35 % compared to same class conventional type rig.
 - Superstructure guarantees excellent stability in all direction due to counter balance front and back.

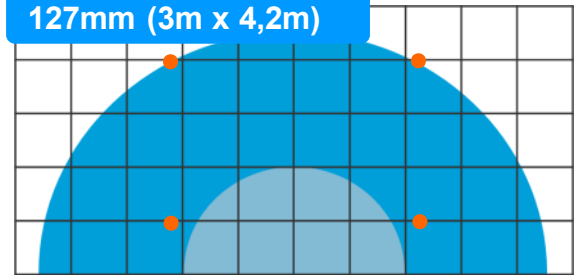
64mm (1,8m x 2,5m)



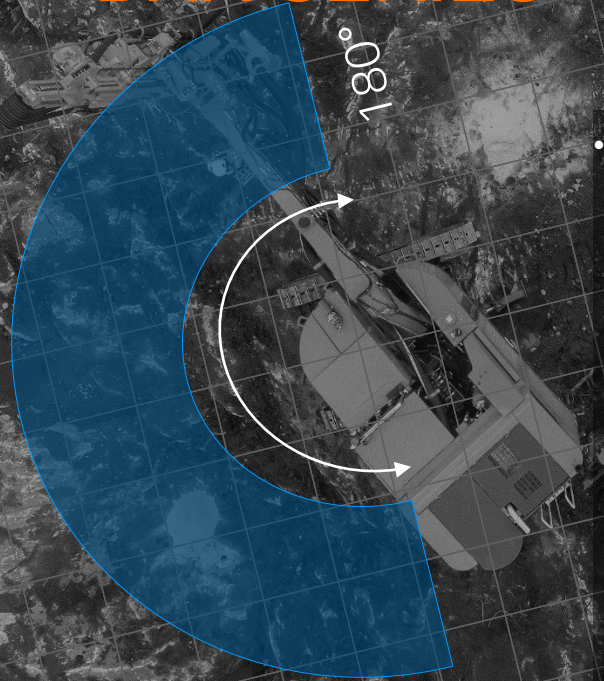
89mm (2,3m x 3,5m)



127mm (3m x 4,2m)



EXTREME PERFORMANCE RANGER™ DXR SERIES



- Articulated boom and turnable superstructure
 - Good reach and large drilling coverage
 - 30 - 60% more holes per set-up compared to conventional type rigs.

26,4m²

EXTREME PERFORMANCE

RANGER™ DXR SERIES

- High drilling capacity and reliability is achieved through rock drill's functional modular design and robust construction.
- Five different rock drills models gives widest hole diameter coverage on market
- New HF820T rock drill gives at least 10% higher penetration rate but lower tool consumption.
 - Perfect match for T51 rock tools
 - Optimized penetration per blow and high frequency ensures even better hole quality.



*“ALL SANDVIK ROCK DRILLS
HAVE BEEN DESIGNED AND
MANUFACTURED IN
FINLAND, EUROPE”*

*“MAXIMIZE PRODUCTIVITY
WITH HIGH FREQUENCY
ROCK DRILL, HF820T – 23kW,
52Hz”*

PERFECT HOLE QUALITY RANGER™ DXR SERIES

WHAT
DO
YOU
GET ?

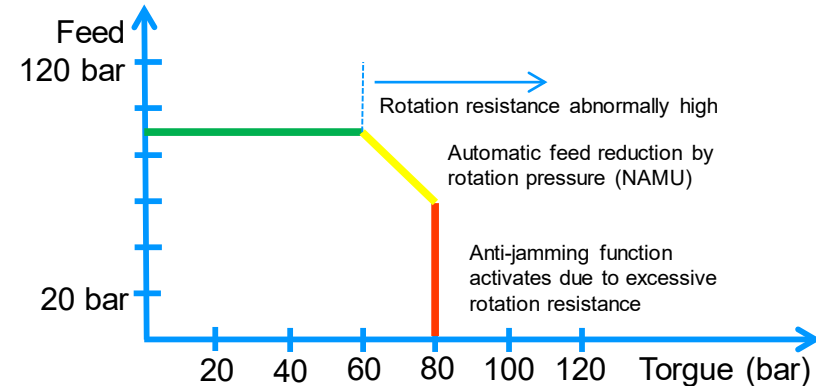
CUSTOMER BENEFITS

- BLASTING SAFETY
- OPTIMAL DRILLING PERFORMANCE
- LESS DRILLING TOOLS COSTS

PERFECT HOLE QUALITY

RANGER™ DXR SERIES

- Rock Pilot+ is the most advanced hydraulically controlled drilling system on the market.
- The best bit penetration / tool lifetime combination is achieved with Rock Pilot+ control system. Optimum drilling power for each rock condition ensures:
 - Straighter holes – better blasting
 - Improved drilling tools lifetime
 - Excellent hole collaring



MORE EFFICIENCY WITH LESS FUEL

RANGER™ DXR SERIES

CUSTOMER BENEFITS

- HIGH UTILIZATION RATIO
- REDUCED FUEL CONSUMPTION

WHAT
DO
YOU
GET ?



MORE EFFICIENCY WITH LESS FUEL

RANGER™ DXR SERIES

- Ranger™ DXR series rigs have equipped with latest technology features helping to operate the rig most fuel efficient way.
- New technology engines with commonrail-type fuel injection system
 - Semi-automatic RPM–control for reducing engine RPM without losing drilling performance.

*"UNRIVALLED FUEL SAVING
UP TO 27% LOWER
CONSUMPTION PER
DRILLED METER COMPARED
TO ITS ALREADY FUEL-
EFFICIENT PREDECESSOR"*

MORE EFFICIENCY WITH LESS FUEL

RANGER™ DXR SERIES

- New compressor management and flow optimized flushing circuit minimizes pressure losses and decreases compressor pressure whenever flushing is not needed.
- Ambient temperature controlled cooling system to reduce power needed for cooling.

”EXTENDED LIFE OF THE COMPRESSOR AND ENGINE ”

”ANNUAL FUEL SAVING IN NORMAL CONSTRUCTION APPLICATIONS CAN BE MORE THAN 13.000 LITERS”*

*calculated with 2000 engine hours per year and 47% drilling time

EASE OF OPERATION RANGER™ DXR SERIES

WHAT
DO
YOU
GET ?

CUSTOMER BENEFITS

- LOCK-TO-TARGET WITH EASILY OPERATED RIG
- MOTIVATED OPERATOR

THE RANGER™ IS HERE!



**PERFECT HOLE
QUALITY**

EASE OF OPERATION

**EXTREME
PERFORMANCE**

**MORE EFFICIENCY
WITH LESS FUEL**