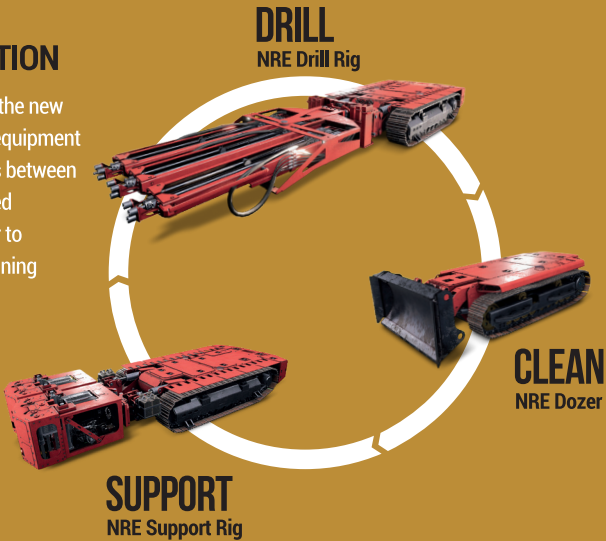


NARROW REEF MINING MECHANISATION

The NRE Drill Rig is a key part of the new powerful electrical NRE suite of equipment which operates in stoping widths between 1.1m to 1.7m and yields improved operational performance in order to mechanise the majority of the mining activities in the cycle.



AFTER SALES

To facilitate end users effective and uninterrupted use of NRE Drill Rig, DOK-ING MINING provides the following services.

TRAINING

Specialized training course for operators and technicians.

MENTORING /SUPERVISION

Ability to provide service/personnel to facilitate day-to-day operation of NRE Drill Rig.

MAINTENANCE

Supply of spare parts adequate stock and availability of rapidly responsive technical team worldwide.

NRE DRILL RIG TECHNICAL CHARACTERISTICS

DIMENSIONS

Prime Mover	4180 x 2230 x 830 mm
Tool set	4690 x 1995 x 790 mm

Tool Width (single)	1995 mm
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GROUND CLEARANCE

Clearance	134 mm
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WEIGHT

Prime Mover	10930 kg
Prime Mover with Toolset	4025 kg

POWER SYSTEM

Battery Type	LiNMC
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Battery Pack Nominal Voltage	353 VDC
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ON BOARD FAST CHARGER

Charging time 15-80%	35 min
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Charging source (voltage)	420 - 600 VAC 3ph
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DRILL TOOL CHARACTERISTICS

Drifters type	Hydraulic
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Drifters power	10kW each
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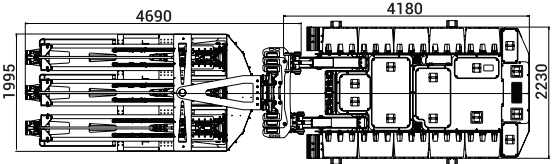
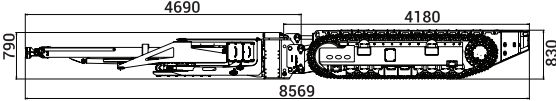
Drifters per tool	3
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Drill bit diameter	35 mm – 52 mm
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All technical characteristics contained in this brochure are provided for informational purposes only, and DOK-ING MINING reserves the right to make changes without notice.

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R&TTE Directive 1999/5/EC, EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC, Machinery Directive 2006/42/EC
Other references: IMAS 09.50, CWA 15044:2009, CWA 15832:2008



ELECTRIC NARROW REEF DRILL RIG



EFFICIENT AND SAFE DRILLING PERFORMANCE

www.dokingmining.com

DOK-ING MINING is a spin-off company created by the separation from DOK-ING with headquarters in Croatia, EU. We design and produce specialized mining machines with the purpose of mechanizing

specific ore bodies that have not been mechanized to date. Experience gained through more than 20 years of operational feedback continuously incorporates into our products.

PRODUCTS				
NRE Dozer	NRE Drill Rig	NRE Support Rig	XLP Dozer	XLP Dozer H4
SERVICES				
Development	Mining Services		After Sales Support	
New products	Production stope supporting		Spare parts distribution	
Upgrade and customisation	Pack area cleaning and sweeping		Maintenance & repair	
Technical solutions in mine mechanization	Production stope cleaning		Supervision & mentoring	
	Production stope sweeping		Training	
	Production stope drilling		Life cycle extension	

PRESENT IN MORE THAN 10 COUNTRIES WORLDWIDE

In global mining industry, with focus on high value and hard to reach deposits

LOCAL START – GLOBAL REACH



Number of delivered systems

AFRICA – 77 NORTH AMERICA – 12 SOUTH AMERICA – 4 EUROPE – 7 AUSTRALIA – 1

NRE DRILL RIG AT GLANCE

EFFICIENT AND SAFE DRILLING PERFORMANCE

The purpose of NRE Drill Rig is to drill the blast holes in order to prepare panels for blasting. The operator can perform all of the functions from a safe operating distance. Its small dimensions are suitable for working and maneuvering in tight spaces, 1.1 m of minimum stopping width is ideal for reducing ore dilution. The machine is powered by electricity, zero emissions of exhaust gases lead to less need for ventilation. The NRE Drill Rig is designed to operate in stop widths of 1.1 to 1.7 m and can operate at slopes of up to 25°. The NRE Drill Rig is equipped with 3 feeders, allowing it to drill 3 blast holes simultaneously. Its lightweight remote control allows the operator to remain at a safe working distance during the production process.

EFFICIENCY

SAFETY AND ADAPTABILITY

Single button automated drilling cycle

3 x boom (drills simultaneously or individually)

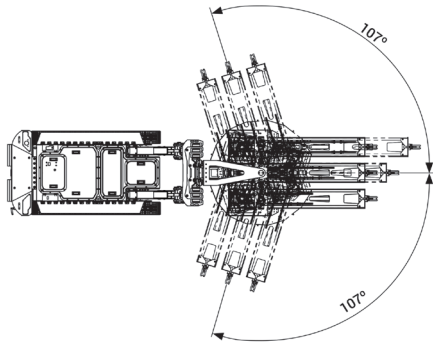
Advance rate – 2 m/blast

Drill steel – length 2.3 m, max diameter hole 52 mm

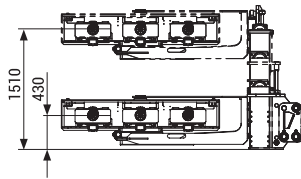
Adjustable tool kinematics

600 mm burden spacing

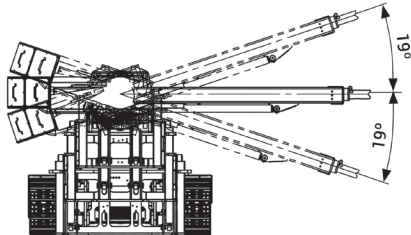
Adjustable drilling angles



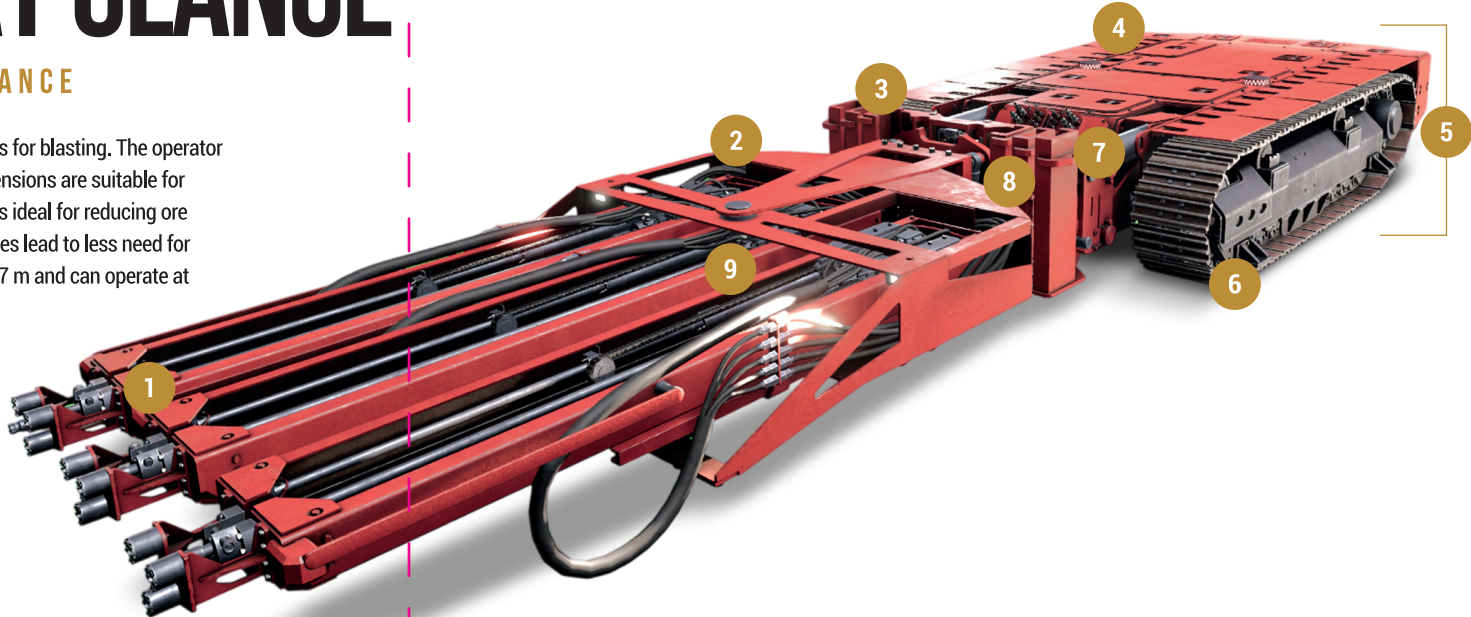
Adjustable tool orientation: +/- 107°



Adjustable tool height: 430-1510 mm



Adjustable tool angle: +/- 19°



1 DRILL RIG TOOL
Adjustable and efficient 3 tools simultaneous automated operation

2 REMOTE CONTROL CAPABILITY
Allows operator to remain at a safe distance while operating machine

3 BODY PROTECTION
Hardox 450

4 ELECTRIC DRIVE
No gas emission reduces ventilation requirements. Low noise

5 HEIGHT 832 mm
Ultra low profile dimensions allows access to confined areas

6 HIGH MOBILITY
Low profile tracks

7 INTEGRATED FAST CHARGER
Can be charged by mine standard grid & plugs

8 EASY MAINTENANCE ACCESS
Divided compartments (hydraulic, power, control)

9 STANDARDISATION
Common prime mover for drill rig/support rig. Standardisation of internal electronic components (stock levels reduced)