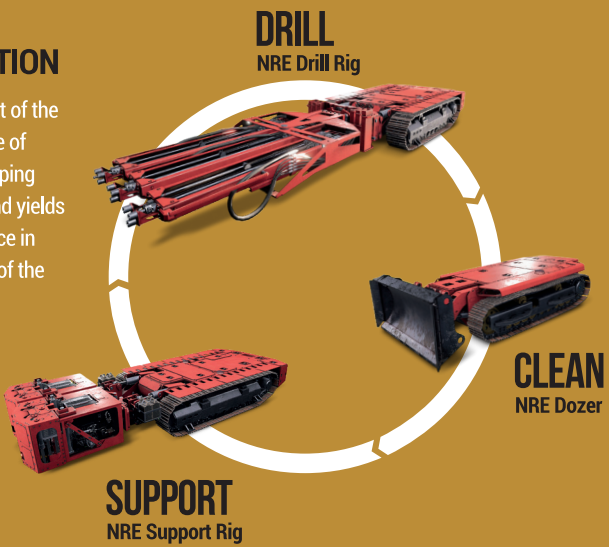


NARROW REEF MINING MECHANISATION

The NRE Support 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 Support 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 Support Rig.

MAINTENANCE

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

NRE SUPPORT RIG TECHNICAL CHARACTERISTICS

DIMENSIONS

Prime Mover	4180 x 2230 x 830 mm
Tool set	2359 x 1990 x 909 mm

Tool Width (single)	955 mm
---------------------	--------

GROUND CLEARANCE

Clearance	134 mm
-----------	--------

WEIGHT

Prime Mover	10930 kg
Toolset	3552 kg

POWER SYSTEM

Battery Type	LiNMC
Battery Pack Nominal Voltage	353 VDC

ON BOARD FAST CHARGER

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

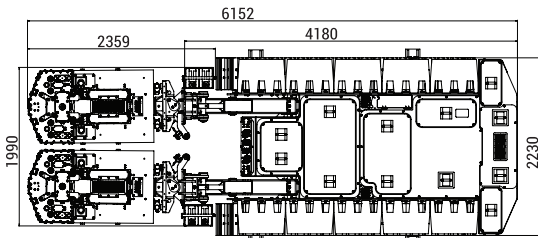
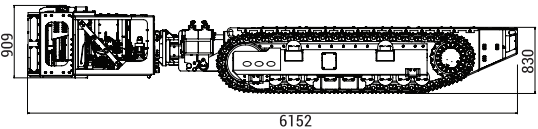
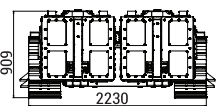
SUPPORT TOOL CHARACTERISTICS

Number of tools	2
Type of drilling	Rotary drilling
Maximum drill thrust force	40 kN
Support cycle (2 bolts, 2.0 m ea.)	8 min
Bolt lenght	1.2-2.4m

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.

CANADA
Certified sales and rentals
T 1-800-306-384-8593
sales@certifiedsalesandrentals.com
Beumer group
T +1 403 764077
usa@beumer.com

CHILE
Robotika
+56 55 324 5609
info@robotika.cl
Megamin
T +56 2437 2823
Contact@megamin.cl



EUROPE
DOK-ING MINING Ltd.
Slavonska avenija 22 G, 10000 Zagreb, Croatia
T +385 1 2481 300 / F +385 1 2481 303
mining@dok-ing.com / www.dokingmining.com

SOUTH AFRICA
DOK-ING Africa (Pty) Ltd.
237 Joseph Street, CNR Nyewerheid, Gemiston 1401, Johannesburg, SA
T + 27 11 822 4684 / tom@doking.co.za

AUSTRALIA
RCR Mining technologies
T +61 8 9355 8101
mining.technologies@rcrmt.com.au



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



Supported by
eit RawMaterials

Connecting matters
Co-funded by the European Union

ELECTRIC NARROW REEF SUPPORT RIG

NRE
SUPPORT RIG

EFFICIENCY THROUGH FULLY AUTOMATED CYCLE

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



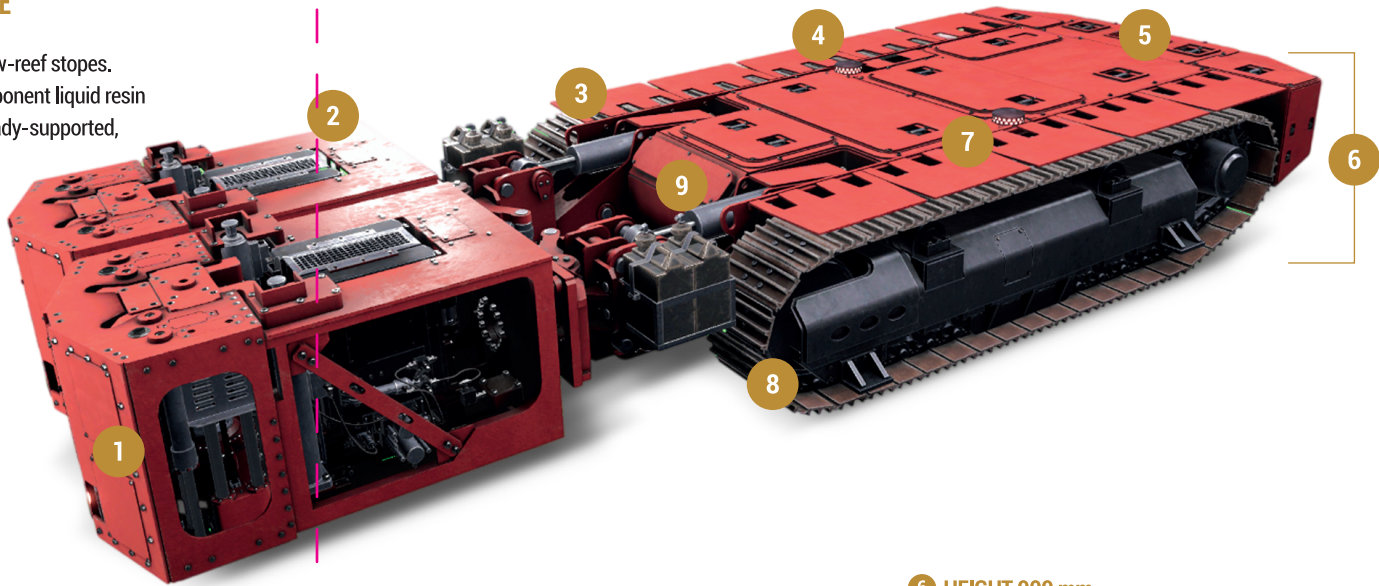
Number of delivered systems

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

NRE SUPPORT RIG AT GLANCE

EFFICIENCY THROUGH FULLY AUTOMATED CYCLE

The NRE Support Rig is the world's only rotary hardrock bolter built specifically for narrow-reef stopes. It automatically drills and sets self-drilling roof bolts with precision, injecting a two-component liquid resin for dependable anchorage. Fully remote-controlled, the rig lets operators work from already-supported, safe areas – dramatically improving safety and productivity. Its electric drive eliminates exhaust gases, cutting ventilation costs and creating a cleaner underground environment. Reliable, efficient and engineered for confined stopes, the NRE Support Rig delivers safer hanging-wall support with reduced operational overhead. The NRE Support Rig is designed to operate in stop widths of 1.1 to 1.7 m and can operate on inclination up to 25°. The NRE Support Rig is equipped with 2 tools, allowing it to install 2 SDR bolt simultaneously. Remote control operation allows the operator to remain at a safe working distance during machine operation.



EFFICIENCY

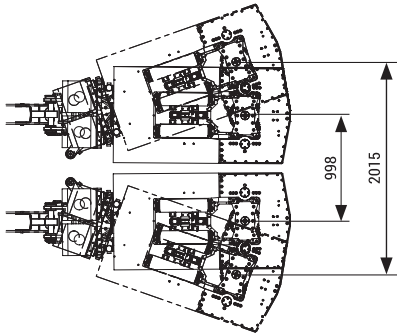
FULLY AUTOMATED RESIN INTEGRATED SDR SUPPORTING

2 x tools (drills simultaneously)

Installation bolt length - 1.2 m to 2.4 m

SDR segment length: 400 mm, up to 6 SDR segments per single bolt installation cycle

Bolt installation time: 2 bolts (2.0 m) installed in 8 minutes simultaneously



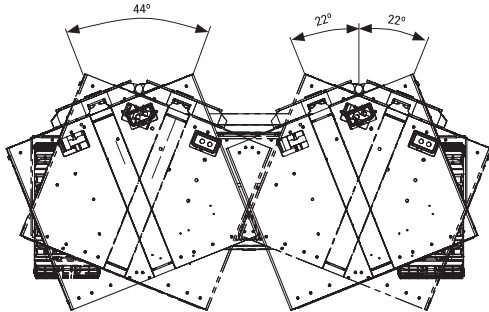
Adjustable tool spread: 998-2015 mm

Single button automated supporting cycle

Adjustable tool kinematics

Support pattern flexibility (1 m - 2 m)

Rotary drilling (controlled advance rate)



Adjustable tool roll: +/- 22°

1 RESIN PUMPING SYSTEM

2 SUPPORT RIG TOOL
Adjustable and efficient two tools simultaneous automated operation

3 BODY PROTECTION
Hardox 450

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

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

6 HEIGHT 909 mm
Ultra low profile dimensions allows access to confined areas

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

8 HIGH MOBILITY
Low profile tracks

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