

The Dando Sonic range includes numerous options designed specifically for sonic drilling in the mineral sampling, environmental exploration, water well, and geotechnical sampling markets. The versatile Sonic range includes a variety of different sized machinery, from small machines that fit on a 3.5T plant trailer up to the largest 8x8 truck mounted options. The range also incorporates an updated version of the Dando SDC375.

AMAREPER

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**Made in Britain
since 1867**

PRODUCT OPTIONS OVERVIEW



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EXAMPLE OF
CUSTOM COLOUR:



RAL 9004
RAL 9003
RAL 3020

CLAMP / TABLE OPTIONS

INCLUDING:

- DOUBLE BREAK-OUT CLAMPS
- TRIPLE BREAK-OUT CLAMPS

& ADD-ONS
INCLUDING:

- ROD LOADER
- MECHANICAL OR HYDRAULIC ROD GUIDE / CENTRALISER

WINCH OPTIONS

INCLUDING:

- DRILLING WINCH
- TOOLING/
- SERVICE WINCH

& ADD-ONS
INCLUDING:

- REEVED C/W TRAVELLING BLOCK

ROTARY HEAD OPTIONS

INCLUDING:

- SECON RSS100
- SECON RSS160
- SECON RSS190
- SONICOR 50K

& ADD-ONS
INCLUDING:

- WATER SWIVEL (SUPPLIED AS STANDARD)
- SPEED SENSOR

ENGINE OPTIONS

INCLUDING:

- STAGE V
- STAGE IIIA
- EPA TIER 4 FINAL
- RoW

& ADD-ONS
INCLUDING:

- SPARK ARRESTOR
- CHALWYN VALVE

COLOUR & LIVERY CUSTOMISATION

INCLUDING:

- PART CUSTOM COLOUR
- FULL CUSTOM COLOUR
- CUSTOM LIVERY

MAST AUXILIARY OPTIONS

INCLUDING:

- SAFETY CAGE
- CASING EXTRACTOR
- ANGLED DRILLING KIT
- JIB BOOM
- FIXED MAST EXTENSION
- FOLDING MAST EXTENSION
- FIXED MAST CROWN
- DEPLOYABLE MAST CROWN
- DATA LOGGING

MAST STROKE OPTIONS

MODEL/ PULLBACK (T)	MAX STROKE (M)
3	3.6
4	4.6
6	3.6
8	4.6
10	7.0
12	7.0

UNDERCARRIAGE OPTIONS

INCLUDING:

- FIXED TRACK MOUNTED
- EXPANDING TRACK MOUNTED
- TRUCK MOUNTING
- SKID MOUNTING

CONTROL SYSTEM OPTIONS

INCLUDING:

- LH OR RH CONSOLE ORIENTATION
- FULL HYDRAULIC CONTROL
- ELECTRO-HYDRAULIC CONTROL
- FULL RADIO REMOTE CONTROL

ONBOARD AUXILIARY OPTIONS

INCLUDING:

- CORING PUMP RANGE
- WATER &/OR AIR SERVICE LINE FOR OUTBOARD AUXILIARY
- ROD LOADER
- TOOL STORAGE
- ROD RACK
- WELDER GENERATOR
- FIRE SUPPRESSION
- WATER TANK

MODEL SHOWN: HIGH ALTITUDE 260kW SONIC OX-12 C/W SONICOR 50K HEAD

PRODUCT SPECIFICATION

DESCRIPTION

The Dando Sonic range has been designed specifically for sonic drilling; the range of rigs is available in a variety of specifications to suit whatever needs are required. Available with the compact Secon sonic head range, featuring a brand-new sonic technology developed in 2020 and with proven reliability through field-testing. Each machine in the range has various engine options depending on required emissions regulations and the selected on-board equipment including a high-powered option for working at altitude. The entire range has also been designed with ease of transport in mind; even the largest option in the range will fit inside a standard 40ft high cube shipping container. All product options are CE Marked in compliance with BS EN 16228 Drilling Equipment – Safety. The company reserves the right to change the following specification without prior notice.

SONIC C/W SECON RSS120

MAX SPEED	TBC		
MAX TORQUE	TBC		
MAX VIBRATION FREQUENCY	160 Hz		
SONIC FORCE	120 kN		
MAX HEAD TILT ANGLE	90 °		
PULLBACK / STROKE OPTIONS	3,000 kgF		2.0 m
			2.6 m
			3.6 m
	4,000 kgF		2.0 m
			2.6 m
			3.6 m
		4.6 m	
DRILLING INCLINATION	45-90 °		
ENGINE POWER	90 kW		

SONIC C/W SECON RSS160

MAX SPEED	120 RPM		
MAX TORQUE	3,550 Nm		
MAX VIBRATION FREQUENCY	160 Hz		
SONIC FORCE	160 kN		
MAX HEAD TILT ANGLE	90 °		
PULLBACK / STROKE OPTIONS	6,000 kgF		2.0 m
			2.6 m
			3.6 m
	8,000 kgF		2.0 m
			2.6 m
			3.6 m
		4.6 m	
DRILLING INCLINATION	45-90 °		
ENGINE POWER	150 kW		

SONIC C/W SECON RSS190

MAX SPEED	100 RPM		
MAX TORQUE	4,450 Nm		
MAX VIBRATION FREQUENCY	160 Hz		
SONIC FORCE	190 kN		
MAX HEAD TILT ANGLE	90 °		
PULLBACK / STROKE OPTIONS	10,000 kgF OR 12,000 kgF	2.5 m	
		3.0 m	
		4.0 m	
		5.0 m	
		7.0 m	
DRILLING INCLINATION	45-90 °		
ENGINE POWER	165 kW		

SECON BREAKDOWN SERVICE

IN THE EVENT OF A BREAKDOWN, SECON PROVIDE A 24h EXCHANGE PROGRAMME TO MINIMISE DOWNTIME AND REDUCE COST. WITHIN THE ONE YEAR WARRANTY THIS SERVICE IS PROVIDED FREE OF CHARGE.



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PRODUCT SPECIFICATION

SONIC C/W SONICOR 50K

MAX SPEED	143 RPM		
MAX TORQUE	9,480 Nm		
MAX VIBRATION FREQUENCY	150 Hz		
SONIC FORCE	220 kN		
MAX HEAD TILT ANGLE	45 °		
PULLBACK / STROKE OPTIONS	10,000 kgF OR 12,000 kgF		2.5 m
			3.0 m
			4.0 m
			5.0 m
			7.0 m
DRILLING INCLINATION	45-90 °		
ENGINE POWER	200 kW		
	260 kW (HIGH ALTITUDE – AS SHOWN IN BROCHURE)		

DRILLING DEPTHS

DRILLING DEPTHS	RSS120	6" CASING	30 m
	RSS160		80 m
	RSS190		120 m
	SONICOR 50K		150 m

NOTE, DEPTHS GIVEN ARE ESTIMATIONS BASED ON THE MANUFACTURER'S DATA.

ADDITIONAL OPTIONS/ADD-ONS

SEE PRODUCT OPTIONS OVERVIEW PAGE FOR ADDITIONAL INFORMATION



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