

SP-50

VIBRATORY-ROTARY DRILL HEAD

- Compact and powerful drill head among our originally designed vibratory-rotary drill heads
- A variety of drilling application
- Robust construction
- Easy repair and maintenance structure

Drilling Application

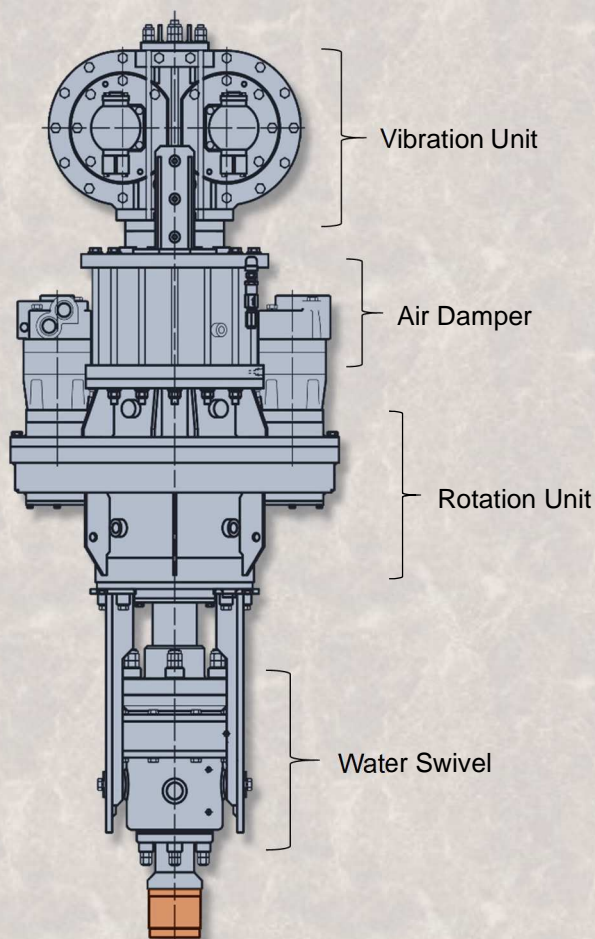
- Environmental investigation
- Monitoring well
- Geological investigation
- Underground geothermal heat exchange hole
- Water well



TOA-TONE BORING CO., LTD.

URL: <http://www.toa-tone.jp>

DRILL HEAD COMPONENTS



SP-50 DRILL HEAD TECHNICAL SPECIFICATIONS

Vibration Unit	
Type	Hydraulic motor driven
Max. frequency	4,000 cpm
Max. vibration force	65 kN
Flow rate for motor	70.4 L/min.
Operating pressure	17.5 MPa
Air Damper	
Operating pressure	0.7 MPa
Air flow rate	Min. 8 L/min at 0.7 MPa
Rotation Unit	
Type	Hydraulic motor driven
Rotation speed	Low: 0 - 36 min ⁻¹
	High: 0 - 62 min ⁻¹
Torque	Low: 4.2 kN-m
	High: 2.1 kN-m
Max. Flow rate for motor	101.2 L/min.
Operating pressure	20.1 MPa
Weight with water swivel	Approx. 520 kg

We reserve the right to change technical specifications without prior notice.

Underground Geothermal Hole



Geological Investigation



Environmental Investigation



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