

Rotary Heads and Clamps

Examples of the range of rotary drill heads and clamps designed and engineered by Drilltechniques

Drilltechniques range of Rotary Heads

Drilltechniques manufactures a wide range of rotary heads used in many drilling applications. The rotaries are designed and built from scratch in our Brendale workshop with high quality steels, superb machining. We guarantee their reliability, accuracy and strength



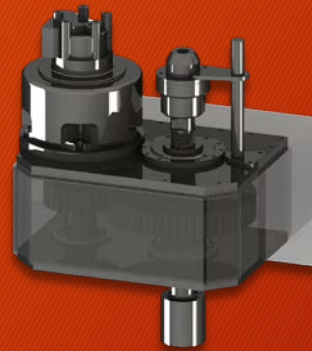
R1D

- 2 speed
- Motor displacement gear shift
- Internal lubrication system
- Max speed 750 rpm
- Max torque 1,500 Nm
- Compact design
- Flexible mounting configurations
- Water swivel
- Weight: 65 kg



R3D

- 4 speed
- Manual gear shift via lever (H-L)
- Motor displacement sub-gear change
- Internal lubrication system
- Flexible mounting configuration
- Max speed: 750 rpm
- Max torque: 3,000 Nm
- Weight: 90 kg
- Water swivel



R3DF

- 2 speed
- Motor displacement gear change
- Radial piston motor
- Internal lubrication system
- Flexible mounting configuration
- Max speed: 750 rpm
- Max torque: 2,000 Nm
- Weight: 150 kg
- Water swivel

Drilltechniques range of Rotary Heads

Every rotary described in this brochure is out in the field working right now, because we design and build our rotaries to meet a specific need that our customers have identified. We collaborate with the customer and arrive at the best configuration.



R4D

- 4 speed
- Floating spindle
- Manual gear shift via lever (H-L)
- Motor displacement sub-gear change
- Internal lubrication system
- Flexible mounting configuration
- Max speed: 750 rpm
- Max torque: 3,000 Nm
- Weight: 170 kg
- Water Swivel



R4DF

- 2 speed
- Floating spindle
- Series parallel gear change
- Internal lubrication system
- Flexible mounting configuration
- Max speed: 150 rpm
- Max torque: 4,200 Nm
- Weight: 190 kg
- Water Swivel

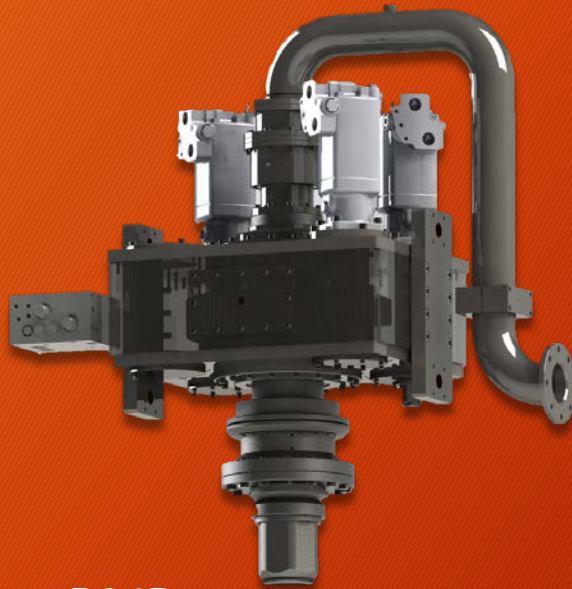


R5D

- 2 speed
- Floating spindle
- Motor displacement gear change
- Internal lubrication system
- Flexible mounting configuration
- Max speed: 750 rpm
- Max torque: 6,000 Nm
- Weight: 220 kg
- Water Swivel

Drilltechniques range of Rotary Heads

Don't forget that we often retrofit our rotaries onto existing equipment, including the redesign of the carriage to allow one of our conventional rotaries next to a sonic head or other drilling or geotechnical device with a hydraulic slide.



R24D

- Our most powerful rotary design
- 3 speed
- Series parallel gear change
- Max speed: 150 rpm
- Max torque: 36,000 Nm
- Weight: 1,000 kg
- 4" concrete swivel
- Internal wear tube
- Internal lubrication system

Drilltechniques range of Clamps

The simple clamp has come a long way in drilling, gone are the days where you could use stillsons to breakout a drillpipe! The need for the combination of safety and efficiency has led to the development of more sophisticated clamping and breakout systems. At Drilltechniques we have developed our own range of clamps designed for the safety of the operator and to increase the speed and efficiency of drilling and sampling.



Single Clamps

- Range
 - 45 - 170 mm
 - 45 - 220 mm
 - 45 - 340 mm
- Clamping force regulation
- Retrofit to most rigs
- Replaceable jaw pads (in stock)
- Safety valve with accumulator for secure clamping

Double Clamps

- Range
 - 45 - 170 mm
 - 45 - 220 mm
 - 45 - 340 mm
- Includes Breakout clamp
- Clamping force regulation
- Retrofit to most rigs
- Replaceable jaw pads (in stock)
- Safety valve with accumulator for secure clamping

Triple Clamps

- Range
 - 45 - 170 mm
 - 45 - 220 mm
 - 45 - 340 mm
- Includes Breakout clamp
- Clamping force regulation
- Retrofit to most rigs
- Replaceable jaw pads (in stock)
- Safety valve with accumulator for secure clamping