

# CompactRotoSonic Tractormast



**Feel the sonic vibe!**

**SonicSampDrill**  
a Royal Eijkelkamp Company



# CRS-T

## CompactRotoSonic drill head

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- Sonic vibration oscillator output force 100 kN @ 0-150 Hz / 22480 lbf @ 0-150 Hz
- 2 Eccentrics, mechanically synchronized
- Rotation torque: clockwise 1.7 kNm @ 150 bar / 1245 ft-lbf @ 2175 PSI, 0-120 rpm
- Rotation torque: counter clockwise 2.0 kNm @ 175 bar / 1475 ft-lbf @ 2540 PSI, 0-120 rpm

### Rig

- Designed for PTO drive from agricultural tractor lifted by 3 point linkage
- Dimensions folded (L x W x H) approx. 1600 x 2200 x 2420 mm / 5' 3" x 7' 3" x 7' 11"
- Height (when drilling) max. 4865 mm / 16'
- Weight approx. 2200 - 2900 kg / 4850 - 6400 lbs
- PTO driven
- Load sense hydraulic system
- Double break out clamp 50 – 200 mm / 2" - 7-7/8"
- Clamping force of 94 kN / 21130 lbf
  - Break out torque 26.5 kNm / 19545 ft-lbf
- Water tank: 140 liter / 37 gallon
- High pressure water pump 19 l/min @ 210 bar / 5 gpm @ 3045 PSI
- Large flow water pump 150 l/min @ 45 bar / 39 gpm @ 650 PSI
- Work lights

### Mast

- Stroke: 2445 mm / 8'
- Pull up & down speed: 30 m/min / 100 ft/min

### Tractor requirements

- Power: > 105 kW (> 140 hp)
- PTO: 1000 rpm
- 3-point linkage category 2 / 3

### Options

- Casing rack
- Additional single break out arm
- Jib with winch 2 kN / 450 lbf
- Swivel for water assisted drilling

