



PRS 70 Sonic Rig

Options	Metric	Imperial
SPT auto drop hammer with blow counter on control panel		
SPX40 hose pump	114 l/min @ 9.6 bar	30 gpm @ 140 psi
Safety cage		
Casing or drill rod storage depends on diameter and length		
Rotatable jibboom		
Special low clearance mast upon request		



Choose your configuration

Royal Eijkelkamp provides the possibility of customising your PRS 70. Customise it yourself, or choose one of our standard configurations for a shorter delivery time due to our rigs in stock. We offer two standard configurations called Pro and Royal. Scan the QR-code to view a complete overview.

Eijkelkamp Customer Service Agreement

Royal Eijkelkamp provides the possibility to add a tailor fit service contract to the extensive range of machines we offer. We call these the Eijkelkamp Customer Service Agreements. We have three types of Customer Service Agreements called Start, Pro and Royal. The Royal type is a service contract that can be tailor fit to the needs of the customer. All Eijkelkamp Customer Service Agreements will be delivered with the Eijkelkamp Service Assistant, this is an advanced track & trace system that is available for use by customer and driller on site via the mobile phone application and web browser.

For more information on demos, pilot projects or personal advice contact our sales department !

For urgent service calls and/or technical information contact or special service telephone: +31 313 800 967

Ask for your tailored OPEX ROI calculation !



PRS 70: Multi-purpose sonic rig

- Mineral sampling
- Environmental research
- Geotechnical sampling and testing
- Geo-constructional drilling
- Seismic drilling
- Customized solutions

The PowerRotoSonic (PRS 70) excels through capturing the powerful sonic force in an extraordinarily small and manoeuvrable package. Why use direct push when 150 Hz PowerRotoSonic delivers faster and better results and provides extremely undisturbed samples.



PowerRotoSonic Drill head	Metric	Imperial
Max. frequency	0 - 150 Hz	0 - 150 Hz
Sonic vibration oscillator output force	100 kN	22.5 k lbf
2 eccentrics, mechanically synchronized	Included	Included
Rotation torque: clockwise 0-120 rpm	1,200 Nm @ 150 bar	885 ft-lbf @ 2,175 psi
Rotation torque: counter clockwise	1,400 Nm @ 172 bar	1,030 ft-lbf @ 2,500 psi
Head tilt max.	65°	65°
Type of dampener / buffer	rubber 2x	rubber 2x
Mass of head	230 kg	517 lbs
Pull up force in combination with sonic	2,500 daN	5,620 lbf
Pull down force in combination with sonic	2,500 daN	5,620 lbf
Pull up force static	6,000 daN	13,500 lbf
Pull down force static	4,000 daN	9,000 lbf

Rig	Metric	Imperial
Caterpillar 4 cylinder water cooled engine	55 kW	74 HP
Dimensions folded (L x W x H) approx.	3,585 x 1,100 x 2,200 mm	11'9" x 3'7" x 7'3
Height (when drilling) max.	4,380 mm	15'9"
Mass approx. (depending on options)	3,200 - 4,500 kg	7,055 - 9,921 lbs
Fuel tank (diesel)	65 liter	18 gallon
Load sensing hydraulic system	Included	Included
High pressure water pump	18 l/min. @ 210 bar	4.75 gpm @ 3,040 psi
Large flow water pump FMC Bean A04	34 l/min. @ 38 bar	9 gpm @ 550 psi
Aluminum water tank	300 liter	79 gallon
Rubber tracks	Variable width from 1,100 to 1,500 mm	Variable width from 3.5' to 5'
Belt width	250 mm	10"
Radio remote for all drilling functions and driving	Charger	2 batteries included
Casing rack	Included	Included
Work lights	2	2

Mast	Metric	Imperial
Stroke	2,500 mm	8.2'
Mast dump	500 mm	1'7.7"
Pull up	40 kN	9,000 lbf
Pull down	40 kN	9,000 lbf
Pull up and down speed	0-20 m/min	0-65 ft/min
Double hydraulic break out clamp	40 - 250 mm	1.6" - 9.8"
Adjustable clamping force of	127 kN	28,548 lbf
Break out torque	22 kNm	16,225 ft-lbf

