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THE
 DRILLER'S
 CHOICE

MINCON RC Drilling Range

MINCON MR Range

MINCON MR92
 MINCON MR116
 MINCON MR120
 MINCON MR132



The Driller's Choice

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The Mincon RC Story

Mincon has more than three decades of expertise when it comes to designing and manufacturing the world's best Reverse Circulation Hammers for exploration drilling. Our range of MR reverse circulation hammers has been perfected at remote exploration drill sites around the world, with feedback from customers ensuring that there is continuous innovation.

Since their release, Mincon's range of RC Hammers have been put to work in applications all around the world, delivering reliable performance and consistent sample quality. With a long heritage of manufacturing DTH tools that can consistently drill deeper than the competition, the Mincon's range of RC hammers has achieved some of the deepest holes on record, even when encountering large amounts of back pressure in the bore hole. This unique feature of Mincon hammers gives drillers peace of mind that no matter what they encounter they will get their hole drilled to depth.

Today, all hammers in the Mincon MR range are manufactured in Shannon, Ireland using the best raw materials, latest production techniques, and our proprietary heat-treatment processes.

The MR Range of DTH Hammers

The MR range of RC hammers is designed to perform at the top end of the performance scale compared to other tools on the market. With decades of development and fine-tuning, the MR range delivers significant savings compared to alternative drilling approaches while still offering the ability to drill to more than 1,000 metres.

The MR range offers reliable performance in deep hole drilling in dry applications, as well as instances where bore holes have high water content. With a variable length available on the chuck sleeve the hammer can be easily set up for either dry or wet hole drilling. When paired with Mincon's range of high-quality RC drill bits, manufactured at its facilities around the world, drillers can benefit from a full Mincon solution for the ultimate in performance.

Mincon MR hammers are also available with industry standard Remet and Metzke backhead threads, as well as Mincon's ARDX backhead thread for higher efficiency.

Key Features and Benefits

- Patented mounting system for fixed internal components
- Reinforced shank with a short length allows for greater transfer of energy between the piston and bit
- Variable chuck sleeve lengths for varying drilling conditions
- Single-piece sample tube assembly
- Specially heat treated sample tubes offer superior wear resistance vs. our competition
- Variable sample tube bore sizes for the MR116, MR120 and MR132 allows the contractor greater flexibility in setting up his tool
- Metal sprayed chuck sleeve and wear sleeve options for greater wear resistance on outside circulation
- Ease of service with no special assembly or disassembly tools required
- Remet, Metzke, and ARDX backhead threads supported



SPECIFICATIONS

Mincon RC Hammer model	MR92	MR116	MR120	MR132
Hammer OD	92mm (3.6")	116mm (4.57")	120mm (4.75")	132mm (5.2")
Hammer Length	1,146mm (45")	1,185mm (46.5")	1,190mm (47")	1,190mm (47")
Backhead Spanner Flat Size	76mm (3")	94mm (3.7")	94mm (3.7")	94mm (3.7")
Drill Bit Shank Type	MR92	MR116	MR120	MR132
Backhead Threads Available	3.5" Remet	4" and 4.5" Metzke	4" and 4.5" Metzke	4.5" Metzke
	90 ARDA	4" and 4.5" Remet	4" and 4.5" Remet	4.5" Remet
		102 and 115 ARDX	115 ARDX	115 ARDX
Drill Bit Size Range	102mm - 114mm (4" - 4.5")	121 - 127mm (4.75" - 5")	127mm - 143mm (5" - 5.625")	137mm - 146mm (5.4" - 5.75")
Hammer Weight (Less Bit)	40kg (88 lbs)	60kg (132 lbs)	70kg (154 lbs)	77kg (170 lbs)
Maximum Drill Bit Weight	7.5kg (17 lbs)	13kg (29 lbs)	14kg (31 lbs)	18kg (40 lbs)
Piston Weight	7.5kg (17 lbs)	14kg (31 lbs)	16kg (35 lbs)	19kg (42 lbs)
Backhead Stand-Off	0.75mm (0.03")	0.75mm (0.03")	0.75mm (0.03")	0.75mm (0.03")
Recommended Minimum Air Package	425 L/s @ 24 bar (900 cfm @ 350 psi)	425 L/s @ 24 bar (900 cfm @ 350 psi)	425 L/s @ 24 bar (900 cfm @ 350 psi)	425 L/s @ 24 bar (900 cfm @ 350 psi)

¹ Other Backhead threads available on request
² Drilling conditions and project specifications may require larger air package to be used

AIR CONSUMPTION/OPERATING PRESSURE

