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Mincon  
 1st for Durability,  
 Reliability &  
 Performance

## MINCON RC Drilling Range

### MINCON MR Range

MINCON MR92  
 MINCON MR109  
 MINCON MR116  
 MINCON MR120  
 MINCON MR132



"The Driller's Choice Worldwide"

Mincon.com

The Mincon RC Story

The Mincon Group has over 26 years’ experience in design and manufacture of high quality Reverse Circulation Hammers in a drilling discipline that is just over 34 years old. With a dedicated manufacturing plant equipped with state of the art equipment in Perth Australia, Mincon are located in the heart of RC Hammer development worldwide.

In 2006 Mincon commenced development on a range of next generation Reverse Circulation Hammers. Bringing our considerable experience to the new line of Hammers produced a design that is recognized globally for its performance, reliability and sample quality. The Mincon MX Range of RC Hammers are high performance geological sampling tools that provide trouble free operation in all kinds of demanding conditions.

Since their release the Mincon MX range of RC Hammers have been put to work in applications all around the world and have proven they are more than capable to the task. With a long heritage of manufacturing DTH tools that can consistently drill deeper than the competition, the Mincon MX 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 allows the contractor peace of mind that no matter what they encounter they will get their hole drilled to depth.

Building on Mincon’s strong heritage of design and manufacturing we commenced development on a new range of RC Hammers in 2010. The Mincon MR Range of RC Hammers offers drillers up to a 20% increase in productivity versus the Mincon MX range, a stronger shank design, improved drilling in wet holes, easier serviceability and improved life on internal and external service spares.

The MR Range of RC 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 extensive testing over the past 18 months the MR range of tools offers some very significant benefits over the MX range of RC hammers.

Performance improvements show up to 20% increase in production in both grade control and exploration applications vs. the Mincon MX range. As with all Mincon hammers the tools performed extremely well in deep hole drilling in dry applications and where there is a lot of water in the bore hole. With a variable length available on the chuck sleeve the hammer can be easily set up for either dry or wet hole drilling. Set to become the standard by which RC hammers will be measured, the Mincon MR range of tools get the job done.



### Key Features and Benefits

- Patented mounting system for fixed internal components
- An extremely sturdy 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

S P E C I F I C A T I O N S

Mincon RC Hammer Model		MR92	MR109	MR116	MR120	MR132
Hammer Outside Diameter	Metric	92mm	109mm	116mm	120mm	132mm
	Imperial	3.62"	4.29"	4.57"	4.75"	5.2"
Hammer Length (Less Drill Bit)	Metric	1146mm	1250mm	1143mm	1165mm	1165mm
	Imperial	45.1"	49.2"	45.0"	45.9"	45.9"
Backhead Spanner Flat Size	Metric	76mm	94mm	94mm	94mm	94mm
	Imperial	3"	4"	4"	4"	4"
Drill Bit Shank Type		MR92	MR109	MR116	MR120	MR132
Backhead Threads Available		3.5" Remet	4" Metzke	4" & 4 1/2" Metzke	4" & 4 1/2" Metzke	4 1/2" Metzke
			4" Remet	4" & 4 1/2" Remet	4" & 4 1/2" Remet	4 1/2" Remet
Drill Bit Size Range	Metric	102mm - 115mm	114mm - 121mm	121mm - 127mm	127mm - 143mm	137mm - 146mm
	Imperial	4.0" - 4.5"	4.5" - 4.75"	4.75" - 5"	5" - 5.625"	5.4" - 5.75"
Hammer Weight (Less Bit)	Metric	47 Kgs	65 Kgs	65 Kgs	70 Kgs	77 Kgs
	Imperial	103 Lbs	143 Lbs	143 Lbs	154 Lbs	170 Lbs
Maximum Drill Bit Weight	Metric	11 Kgs	13 Kgs	14 Kgs	14.5 Kgs	18 Kgs
	Imperial	24.4 Lbs	28.6 Lbs	30.9 Lbs	32 Lbs	39.7 Lbs
Piston Weight	Metric	12 Kgs	12 Kgs	14 Kgs	16 Kgs	19 Kgs
	Imperial	26.4 Lbs	26.4 Lbs	30.9 Lbs	35.3 Lbs	41.9 Lbs
Backhead Stand Off	Metric	0.75mm	0.75mm	0.75mm	0.75mm	0.75mm
	Imperial	0.030"	0.030"	0.030"	0.030"	0.030"
Recommended Minimum Air Package <sup>1</sup>	Metric	425 l/s @ 24.1Bar	425 l/s @ 24.1Bar	425 l/s @ 24.1Bar	425 l/s @ 24.1Bar	425 l/s @ 24.1Bar
	Imperial	900cfm @ 350psi	900cfm @ 350psi	900cfm @ 350psi	900cfm @ 350psi	900cfm @ 350psi

<sup>1</sup> Drilling conditions and project specifications may require larger air package to be used

AIR CONSUMPTION/OPERATING PRESSURE

