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Mincon
1st for Durability,
Reliability &
Performance

MINCON DTH Drilling Range

MINCON MQ" Range

MINCON MQ40
MINCON MQ55
MINCON MQ60
MINCON MQ65
MINCON MQ68



"The Driller's Choice Worldwide"

Mincon.com

The Mincon DTH Story

In the latter part of the 1990's, Mincon began production of a new generation range of "Down-the-Hole" Hammers. This top quality equipment brought a whole host of advantages to the rock drill industry in terms of: increased drilling speeds, longer service life, greater reliability with ease of maintenance and maximum operating cost effectiveness.

All of this is due to our superior designs, unique processes and the highest engineering standards, coupled with a rigorous quality control culture and an excellent understanding of the demanding and diverse conditions in which our hammers are expected to work.

The new Mincon Hammers developed rapidly over a relatively short period, simply by listening to what drillers themselves expect from the tool and then using this valuable information and incorporating much of it into the final designs.

Through continuing development and information gathering from the end users we again raised the bar of what is expected from a DTH hammer. The Mincon MC range of hammers was introduced in 2008 to increase the performance of the tool and combat the issues that are presented by drill bit foot valves and longer shanks.

Mincon have been manufacturing quality DTH hammers for over 25 years and what makes Mincon unique and the hammers so much better is that we will always listen to those who use the equipment, which is why Mincon has become - "The Drillers Choice Worldwide".

The MQ Range of DTH Hammers

The Mincon MQ range of DTH hammers is designed around proven technology to perform at the top end of the performance scale compared to other tools on the market. These tools are excellent for all types of drilling applications including residential geothermal, production quarry drilling, seismic drilling and construction drilling.

The Mincon MQ range of hammers use industry accepted standard shanks with the foot valve removed.

Mincon Products are all manufactured in house, and all processes are carried out under the one roof. This guarantees that the quality you "Expect" is always delivered.

Key Features and Benefits

- Utilizes common shanks with the foot valve removed.
- Patented features maximize energy output and reduce service requirements.
- Fewer internal components minimize service requirements.
- Valveless, high frequency design ensures smooth operation.
- Hardened wear sleeve for optimum wear resistance even in the most abrasive conditions.
- Multi-start threads on backhead and chuck ensure easy coupling/uncoupling of hammer.
- Unique internal mount system eliminates the need for wear shims and special assembly tools.
- All critical internal components are heat treated under strict control to maximize tool longevity.



SPECIFICATIONS

Mincon MQ Hammer Model		Mincon MQ40	Mincon MQ50	Mincon MQ55	Mincon MQ60	Mincon MQ65	Mincon MQ68
Hammer Outside Diameter	Metric	97mm	115mm	124mm	140mm	146mm	181mm
	Imperial	3.82"	4.53"	4.88"	5.5"	5.75"	7.15"
Hammer Length (Less Drill Bit)	Metric	865mm	956mm	1042mm	1139mm	1139mm	1002mm
	Imperial	34.0"	37.6"	41.0"	44.8"	44.8"	39.4"
Backhead Spanner Flat Size	Metric	64mm	89mm	89mm	100mm	100mm	140mm
	Imperial	2.5"	3.5"	3.5"	4"	4"	5.5"
Drill Bit Shank Type		TD40	QL50	QL50	QL60	QL60	QL60
Standard Backhead Thread ¹		2 3/8" A.P.I. Reg Pin	3 1/2" A.P.I. Reg Pin	3 1/2" A.P.I. Reg Pin	3 1/2" A.P.I. Reg Pin	3 1/2" A.P.I. Reg Pin	4 1/2" A.P.I. Reg Pin
Minimum Bit Size	Metric	110mm	127mm	140mm	152mm	159mm	200mm
	Imperial	4.33"	5.0"	5.5"	6"	6.25"	7.88"
Hammer Weight (Less Bit)	Metric	41.7 Kgs	59.9 Kgs	72.6 Kgs	98.0 Kgs	105.2 Kgs	93.0 Kgs
	Imperial	92 Lbs	132 Lbs	160 Lbs	216 Lbs	232 Lbs	205 Lbs
Drill Bit Weight	Metric	(114mm) 8.6 Kgs	(130mm) 15.9 Kgs	(146mm) 17.7 Kgs	(156mm) 14.5 Kgs	(165mm) 21.3 Kgs	(229mm) 48.5 Kgs
	Imperial	(4 1/2") 19 Lbs	(5 1/8") 35 Lbs	(5 3/4") 39 Lbs	(6 1/8") 44 Lbs	(6 1/2") 47 Lbs	(9") 107 Lbs
Piston Weight	Metric	7.7 Kgs	7.7 Kgs	18.1 Kgs	20 Kgs	20 Kgs	46.3 Kgs
	Imperial	17 Lbs	17 Lbs	39.9 Lbs	44 Lbs	44 Lbs	102 Lbs
Backhead Stand Off	Metric	0.75mm	0.75mm	0.75mm	0.75mm	0.75mm	0.75mm
	Imperial	0.030"	0.030"	0.030"	0.030"	0.030"	0.030"
Recommended Minimum Air Package ²	Metric	118 l/s @ 10.3Bar	283 l/s @ 17.2Bar	283 l/s @ 17.2Bar	283 l/s @ 20.7Bar	283 l/s @ 20.7Bar	425 l/s @ 24.1Bar
	Imperial	250cfm @ 150psi	600cfm @ 250psi	600cfm @ 250psi	600cfm @ 300psi	600cfm @ 300psi	900cfm @ 350psi

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

