

Mincon 5" Range of Down The Hole Hammers



"The Driller's Choice"

## The Mincon DTH Story

In the latter part of the 1990's, we 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".

## The 5" Range of DTH Hammers

The Mincon range of 5" 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 small construction drilling.

The Mincon range of 5" hammers are available in the popular QL50 shank, the DHD 350R and the SD5 shank.

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

- 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.



*"The Driller's Choice"*

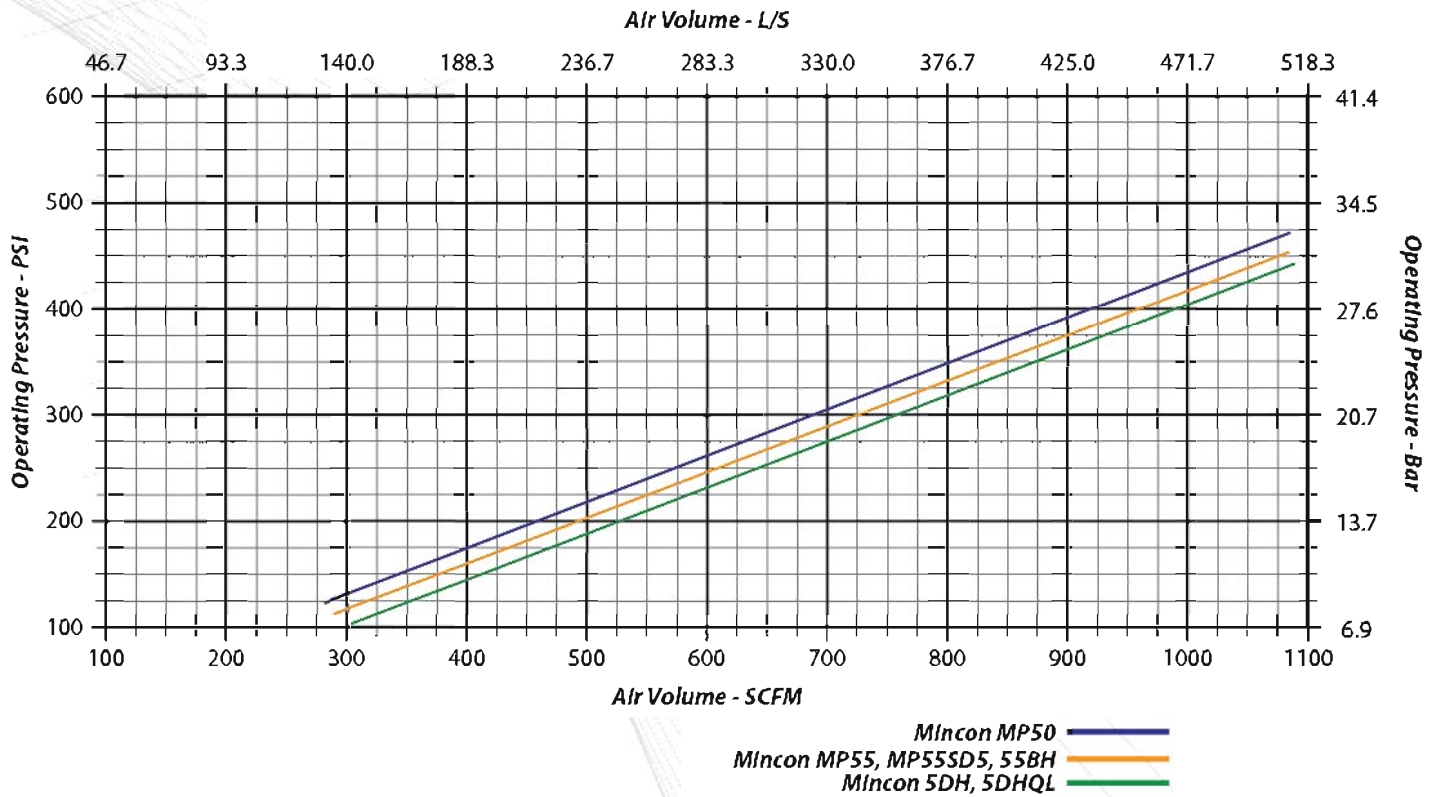
# S P E C I F I C A T I O N S

Mincon 5" Hammer Model		Mincon MP50	Mincon MP55	Mincon 5DH	Mincon 5DHQL	Mincon 55BH	Mincon MP55SD5
Hammer Outside Diameter	Metric	115mm	124mm	124mm	124mm	124mm	124mm
	Imperial	4.53"	4.88"	4.88"	4.88"	4.88"	4.88"
Hammer Length (Less Drill Bit)	Metric	993mm	1014mm	1054mm	1033mm	1014mm	1034mm
	Imperial	39.1"	39.9"	41.5"	40.7"	39.9"	40.7"
Backhead Spanner Flat Size	Metric	89mm	89mm	89mm	89mm	89mm	89mm
	Imperial	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Drill Bit Shank Type		QL50	QL50	DHD 350R	QL50	DHD 350R	SD5/4315
Standard Backhead Thread <sup>1</sup>		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	3 1/2" A.P.I. Reg Pin	3 1/2" A.P.I. Reg Pin
Minimum Bit Size	Metric	127mm	140mm	140mm	140mm	140mm	140mm
	Imperial	5.0"	5.5"	5.5"	5.5"	5.5"	5.5"
Hammer Weight (Less Bit)	Metric	56 Kgs	67.3 Kgs	69.5 Kgs	69.5 Kgs	66.4Kgs	69.1 Kgs
	Imperial	124 Lbs	148 Lbs	153 Lbs	153 Lbs	146 Lbs	152 Lbs
Drill Bit Weight	Metric	(130mm) 15.9 Kgs	(146mm) 17.7 Kgs	(146mm) 17.7 Kgs	(146mm) 17.7 Kgs	(146mm) 17.7 Kgs	(146mm) 17.7 Kgs
	Imperial	(5 1/8") 35 Lbs	(5 3/4") 39 Lbs	(5 3/4") 39 Lbs	(5 3/4") 39 Lbs	(5 3/4") 39 Lbs	(5 3/4") 39 Lbs
Piston Weight	Metric	12.6 Kgs	15 Kgs	15 Kgs	15 Kgs	15 Kgs	15 Kgs
	Imperial	27.7 Lbs	33.6 Lbs	33.6 Lbs	33.6 Lbs	33.6 Lbs	33.6 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 <sup>2</sup>	Metric	283 l/s @ 17.2Bar	283 l/s @ 17.2Bar	283 l/s @ 17.2Bar	283 l/s @ 17.2Bar	283 l/s @ 17.2Bar	283 l/s @ 17.2Bar
	Imperial	500cfm @ 250psi	600cfm @ 250psi	600cfm @ 250psi	600cfm @ 250psi	600cfm @ 250psi	600cfm @ 250psi

<sup>1</sup> Other Backhead threads available on request

<sup>2</sup> Drilling conditions and project specifications may require larger air package to be used

## AIR CONSUMPTION/OPERATING PRESSURE





" Leaders in Rock Drilling Technology "

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