

## 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 6" Range of DTH Hammers

The Mincon range of 6" 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 range of 6" hammers are available in the popular QL60 shank, the DHD 360 and the SD6 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.



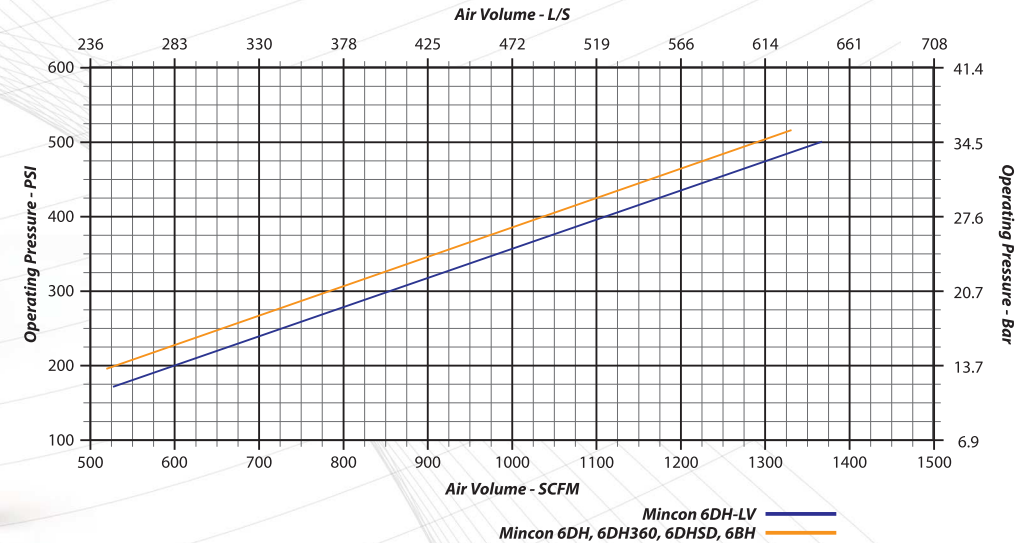
## S P E C I F I C A T I O N S

Mincon 6" Hammer Model		Mincon 6DH	Mincon 6DH-LV	Mincon 6DH360	Mincon 6DHSD	Mincon 6BH
Hammer Outside Diameter	Metric	140mm	140mm	140mm	140mm	146mm
	Imperial	5.5"	5.5"	5.5"	5.5"	5.75"
Hammer Length (Less Drill Bit)	Metric	1033mm	1033mm	1133mm	1084mm	1033mm
	Imperial	40.7"	40.7"	44.6"	42.7"	40.7"
Backhead Spanner Flat Size	Metric	100mm	100mm	100mm	100mm	100mm
	Imperial	4"	4"	4"	4"	4"
Drill Bit Shank Type		QL60	QL60	DHD 360	SD6 / 5315	QL60
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
Minimum Bit Size	Metric	152mm	152mm	152mm	152mm	159mm
	Imperial	6.0"	6.0"	6.0"	6.0"	6.25"
Hammer Weight (Less Bit)	Metric	87.1 Kgs	87.3 Kgs	95.3 Kgs	90.7 Kgs	98.0 Kgs
	Imperial	192 Lbs	192 Lbs	210 Lbs	200 Lbs	216 Lbs
Drill Bit Weight	Metric	(156mm) 23.1 Kgs	(156mm) 23.1 Kgs	(156mm) 24.5 Kgs	(156mm) 27.2 Kgs	(171mm) 25.4 Kgs
	Imperial	(6 1/8") 51 Lbs	(6 1/8") 51 Lbs	(6 1/8") 54 Lbs	(6 1/8") 60 Lbs	(6 3/4") 56 Lbs
Piston Weight	Metric	20 Kgs	20 Kgs	20 Kgs	20 Kgs	20 Kgs
	Imperial	44 Lbs	44 Lbs	44 Lbs	44 Lbs	44 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>2</sup>	Metric	283 l/s @ 20.7Bar	212 l/s @ 17.2Bar	283 l/s @ 20.7Bar	283 l/s @ 20.7Bar	283 l/s @ 20.7Bar
	Imperial	600cfm @ 300psi	450cfm @ 250psi	600cfm @ 300psi	600cfm @ 300psi	600cfm @ 300psi

<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



"The Driller's Choice Worldwide"

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