

Mincon 4" 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 4" Range of DTH Hammers

The Mincon range of 4" 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 4" hammers are available in the popular DHD 340A shank, the SD4 shank and a Mincon designed heavy duty shank for operation at higher pressures.

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"*

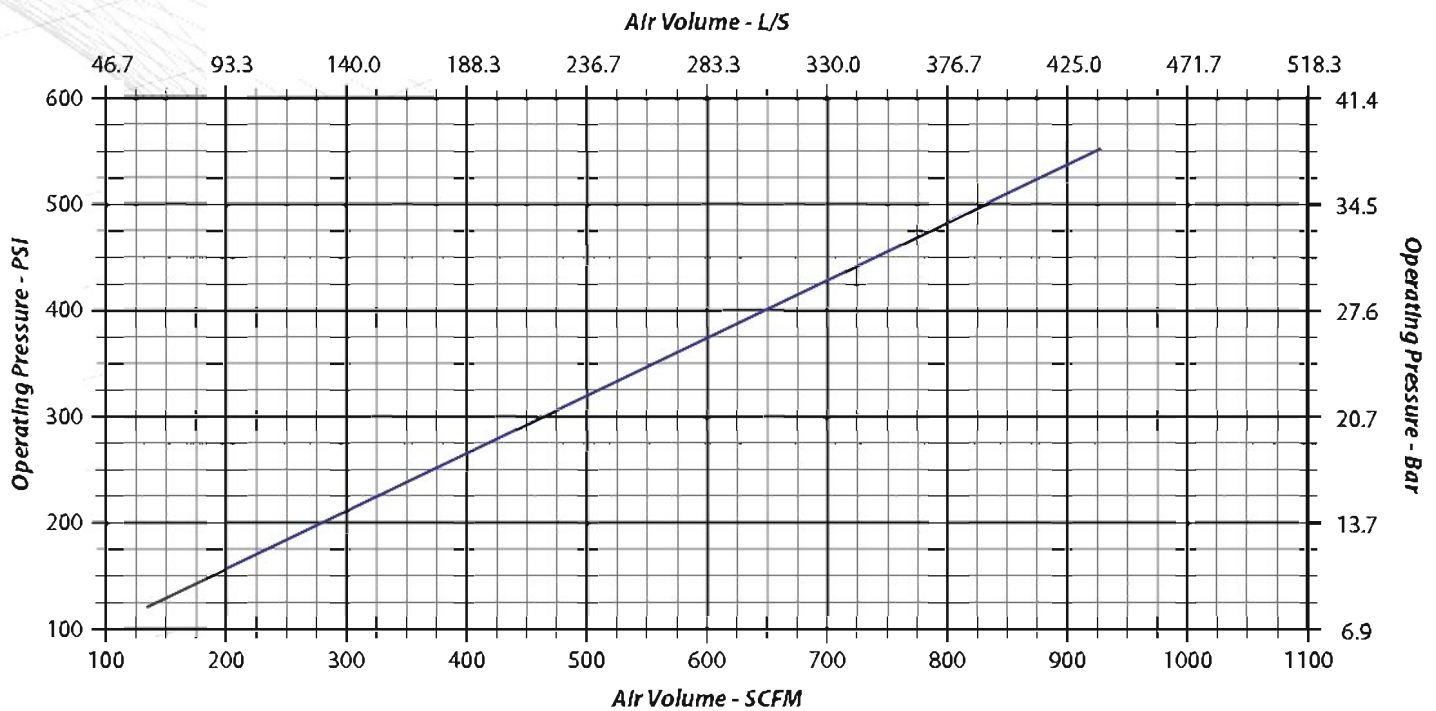
# S P E C I F I C A T I O N S

Mincon 4" Hammer Model		Mincon 4HDS	Mincon 4HR	Mincon 4HRSD4	Mincon 4HRTD
Hammer Outside Diameter	Metric	97mm	97mm	97mm	97mm
	Imperial	3.82"	3.82"	3.82"	3.82"
Hammer Length (Less Drill Bit)	Metric	956mm	956mm	956mm	956mm
	Imperial	37.6"	37.6"	37.6"	37.6"
Backhead Spanner Flat Size	Metric	64mm	64mm	64mm	64mm
	Imperial	2.5"	2.5"	2.5"	2.5"
Drill Bit Shank Type		MD4	DHD 340A	SD4/3415	TD40
Standard Backhead Thread		2 3/8" A.P.I. Reg Pin	2 3/8" A.P.I. Reg Pin	2 3/8" A.P.I. Reg Pin	2 1/8" A.P.I. Reg Pin
Minimum Bit Size Range	Metric	110mm	110mm	110mm	110mm
	Imperial	4.33"	4.33"	4.33"	4.33"
Hammer Weight (Less Bit)	Metric	38.6 Kgs	38.6 Kgs	38.6 Kgs	38.6 Kgs
	Imperial	85 Lbs	85 Lbs	85 Lbs	85 Lbs
Drill Bit Weight	Metric	(120mm) 11.3 Kgs	(120mm) 10.9 Kgs	(120mm) 10.9 Kgs	(120mm) 11.1 Kgs
	Imperial	(4 3/4") 25 Lbs	(4 3/4") 24 Lbs	(4 3/4") 24 Lbs	(4 3/4") 24.7 Lbs
Piston Weight	Metric	7.7 Kgs	7.7 Kgs	7.7 Kgs	7.7 Kgs
	Imperial	17 Lbs	17 Lbs	17 Lbs	17 Lbs
Backhead Stand Off	Metric	0.75mm	0.75mm	0.75mm	0.75mm
	Imperial	0.030"	0.030"	0.030"	0.030"
Recommended Minimum Air Package	Metric	118 l/s @ 10.3Bar	118 l/s @ 10.3Bar	118 l/s @ 10.3Bar	118 l/s @ 10.3Bar
	Imperial	250cfm @ 150psi	250cfm @ 150psi	250cfm @ 150psi	250cfm @ 150psi

<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



Mincon 4HR, 4HDS, 4HRSD4 & 4HRTD





" Leaders in Rock Drilling Technology "

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