



Mincon 3" Range of Down The Hole Hammers

**Mincon**

"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 3" Range of DTH Hammers

The Mincon range of 3" 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 3" hammers are available in the popular DHD 3.5 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"**

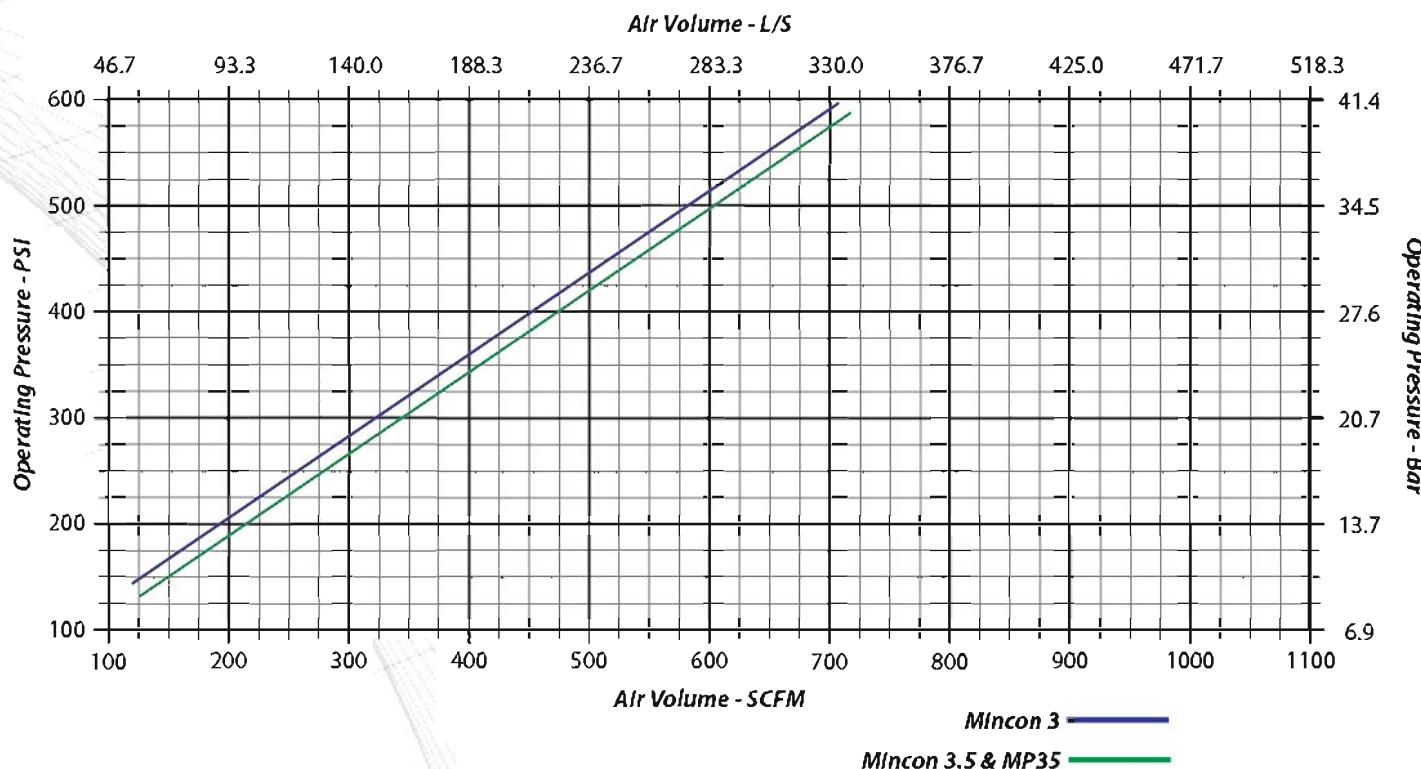
# S P E C I F I C A T I O N S

| Mincon 3" Hammer Model          |          | Mincon 3              | Mincon 3.5                      | Mincon MP35                     |
|---------------------------------|----------|-----------------------|---------------------------------|---------------------------------|
| Hammer Outside Diameter         | Metric   | 77mm                  | 85mm                            | 85mm                            |
|                                 | Imperial | 3.03"                 | 3.35"                           | 3.35"                           |
| Hammer Length (Less Drill Bit)  | Metric   | 865mm                 | 805mm                           | 805mm                           |
|                                 | Imperial | 34.0"                 | 31.7"                           | 31.7"                           |
| Backhead Spanner Flat Size      | Metric   | 64mm                  | 64mm                            | 64mm                            |
|                                 | Imperial | 2.5"                  | 2.5"                            | 2.5"                            |
| Drill Bit Shank Type            |          | DHD 3.5               | DHD 3.5                         | MD 3.5                          |
| Standard Backhead Thread        |          | 2 3/8" A.P.I. Reg Pin | 2 3/8" A.P.I. Reg Pin           | 2 1/2" A.P.I. Reg Pin           |
| Minimum Bit Size Range          | Metric   | 85mm                  | 95mm                            | 95mm                            |
|                                 | Imperial | 3.35"                 | 3.75"                           | 3.75"                           |
| Hammer Weight (Less Bit)        | Metric   | 22.3 Kgs              | 24.5 Kgs                        | 24.5 Kgs                        |
|                                 | Imperial | 49 Lbs                | 54 Lbs                          | 54 Lbs                          |
| Drill Bit Weight                | Metric   | (92mm) 5.0 Kgs        | (95mm) 5.4 Kgs                  | (95mm) 5.9 Kgs                  |
|                                 | Imperial | (3 5/8") 11 Lbs       | (3 3/4") 12 Lbs                 | (3 3/4") 13 Lbs                 |
| Piston Weight                   | Metric   | 4.1 Kgs               | 3.9 Kgs                         | 3.9 Kgs                         |
|                                 | Imperial | 9 Lbs                 | 8.7 Lbs                         | 8.7 Lbs                         |
| Backhead Stand Off              | Metric   | 0.75mm                | 0.75mm                          | 0.75mm                          |
|                                 | Imperial | 0.030"                | 0.030"                          | 0.030"                          |
| Recommended Minimum Air Package | Metric   | 47 l/s @ 6.9Bar       | 2.8m <sup>3</sup> /min @ 6.9Bar | 2.8m <sup>3</sup> /min @ 6.9Bar |
|                                 | Imperial | 100cfm @ 100psi       | 100cfm @ 100psi                 | 100cfm @ 100psi                 |

<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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