MINCON DTH Drilling Range

MINCON 12” Range
MINCON XP120SD
MINCON XP120QL
The 12" Range of DTH Hammers

The Mincon range of 12" 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 Oil and Gas, waterwell and construction drilling.

The Mincon range of 12" hammers are available in the popular QL120 and SD12 shanks 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 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 2007 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”.

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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.

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SPECIFICATIONS

Mincon 3" Hammer Model | Mincon XP120QL | Mincon XP120SD
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Hammer Outside Diameter | Metric: 273mm | 273mm
| Imperial: 10.75" | 10.75"
Hammer Length (Less Drill Bit) | Metric: 1437mm | 1437mm
| Imperial: 56.4" | 56.4"
Backhead Spanner | Metric: 240mm | 240mm
| Flat Size: 9.5" | 9.5"
| Imperial: 9.5" | 9.5"
Drill Bit Shank Type | QL120 | SD12
Standard Backhead Thread | 6 1/2” A.P.I. Reg Pin | 6 1/2” A.P.I. Reg Pin
Minimum Bit Size Range | Metric: 305mm | 305mm
| Imperial: 12” | 12”
Hammer Weight (Less Bit) | Metric: 4546 Kgs | 4546 Kgs
| Imperial: 10020 Lbs | 10020 Lbs
Drill Bit Weight | Metric: 136.6 Kgs | 136.6 Kgs
| (305mm) | (12")
| Imperial: 300 Lbs | 300 Lbs
| (12") | (12")
Piston Weight | Metric: 122 Kgs | 122 Kgs
| Imperial: 266 Lbs | 266 Lbs
Backhead Stand Off | Metric: 2mm | 2mm
| Imperial: 0.080” | 0.080”
Recommended Minimum Air Package | Metric: 579.5 cfm @ 6.9Bar | 579.5 cfm @ 6.9Bar
| Imperial: 1100cfm @ 350psi | 1100cfm @ 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

Mincon XP120QL & XP120SD

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