Why Buy the Mincon XP120-SD12?

The Mincon XP120-SD12 is proving itself the best hammer on the market in all kinds of demanding drilling conditions. Through unique manufacturing processes, the life of the internal components is prolonged allowing for multiple rebuilds of the hammer in abrasive conditions.

Like all Mincon DTH hammers, the Mincon XP120-SD12 maintains excellent operating pressure over an extended service life and overall is the tool you require to get the maximum out of all your equipment.

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.

Design Highlights:

► Patented features maximize energy output and reduce service requirements.
► Unique manufacturing processes extend internal components life allowing for multiple rebuilds in abrasive conditions.
► Valveless operation to maximize energy output, provide efficient air utilization and reduce service requirements.
► Extra air-flow system allows for better hole cleaning in troublesome holes.
► Reversible 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 gives positive make-up and eliminates the need for wear shims and special assembly tools.
► All critical internal components are heat treated under strict control to maximize tool longevity.
► An overall cost-effective and user friendly tool for use in the most demanding conditions.

Applications:

- Oil & Gas
- Construction
- Waterwell
- Blasthole

‘The Driller’s Choice’

“LEADERS IN THE FIELD OF DRILLING TECHNOLOGY”
**MINCON XP120-SD12 PARTS LIST & SPECIFICATION**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mincon XP120-SD12 Hammer</td>
<td>MD1201AS01</td>
</tr>
<tr>
<td>2</td>
<td>Backhead</td>
<td>MD1201BH01</td>
</tr>
<tr>
<td>3</td>
<td>O-Ring</td>
<td>MD1200OR01</td>
</tr>
<tr>
<td>4</td>
<td>Choke Blank</td>
<td>MB506CH01</td>
</tr>
<tr>
<td>5</td>
<td>Choke 1/8&quot; (3.2mm)</td>
<td>MB506CH02</td>
</tr>
<tr>
<td>6</td>
<td>Choke 3/16&quot; (4.8mm)</td>
<td>MB506CH03</td>
</tr>
<tr>
<td>7</td>
<td>Check Valve</td>
<td>MD1202CV01</td>
</tr>
<tr>
<td>8</td>
<td>Spring</td>
<td>MD1203SP01</td>
</tr>
<tr>
<td>9</td>
<td>Air Distributor</td>
<td>MD1207DR01</td>
</tr>
<tr>
<td>10</td>
<td>O-Ring</td>
<td>MD1221OR01</td>
</tr>
<tr>
<td>11</td>
<td>Lock Ring</td>
<td>MD1201LR01</td>
</tr>
<tr>
<td>12</td>
<td>O-Ring</td>
<td>MD1222OR01</td>
</tr>
<tr>
<td>13</td>
<td>Seating Ring</td>
<td>MD1205SR01</td>
</tr>
<tr>
<td>14</td>
<td>Inner Cylinder</td>
<td>MD1208IC01</td>
</tr>
<tr>
<td>15</td>
<td>Piston</td>
<td>MD1210PN01</td>
</tr>
<tr>
<td>16</td>
<td>Piston Retaining Ring</td>
<td>MD1212PR01</td>
</tr>
<tr>
<td>17</td>
<td>Bit Retaining Ring</td>
<td>MD1214BR01</td>
</tr>
<tr>
<td>18</td>
<td>O-Ring</td>
<td>MD1223OR01</td>
</tr>
<tr>
<td></td>
<td>Chuck</td>
<td>MD1215CK01</td>
</tr>
</tbody>
</table>

**Outside Diameter:** 10.75" (273mm)

**Minimum Bit Size:** 12" (305mm)

**Spanner Flat Size:** 9.5" (240mm)

**Length (Less Bit, Backhead Shoulder to Chuck):** 56.6" (1437mm)

**Bit Shank Type:** SD12

**Backhead Thread:** 6-5/8" A.P.I. Reg. Pin

**Piston Weight:** 266 lbs / 121 Kgs

**Wear Sleeve Discard Limit:** 10.05" (255.3mm)

**OPERATING PRESSURE / AIR CONSUMPTION**

- **Operating Pressure - PSI:**
  - Full Choke
  - 1/8" Choke
  - 3/16" Choke

- **Air Volume - M³/Min:**
  - 11.3
  - 14.0
  - 17.0
  - 19.8
  - 22.6
  - 25.3
  - 28.1
  - 31.1
  - 34.0

- **Operating Pressure - Bar:**
  - 6.9
  - 13.6
  - 20.7
  - 27.6
  - 34.5

**ROCKDRILL OIL GRADE**

- **Pressure - Bar:**
  - 0.5
  - 1.0
  - 1.5
  - 2.0
  - 2.5

- **Viscosity at Temperature:**
  - 150°C
  - 90°C

**ROCKDRILL OIL CONSUMPTION**

- **Pressure - PS:**
  - 0.5
  - 1.0
  - 1.5
  - 2.0
  - 2.5

- **Air Volume - SCFM:**
  - 0.5
  - 1.0
  - 1.5
  - 2.0
  - 2.5

- **Litres / Hour:**
  - 1750
  - 1500
  - 1250
  - 1000
  - 750

**Mincon International Ltd**
Shannon, Co. Clare
Ireland
Telephone: +353 61 361 099
Fax: +353 61 361 808
Email: mincon@mincon.com
Web: http://www.mincon.com

**Distributed by:**