

Secoroc Rock Drilling Tools

# Secoroc QLX 35 down-the-hole hammer



*Sustainable Productivity*

**Atlas Copco**

# Secoroc QLX 35

- more **technology**
- more **productivity**
- more **reliability**

Atlas Copco is always looking for ways of improving the performance and reliability of their products. The new Secoroc QLX 35 is an example of this commitment. Aimed at those drillers who appreciate cutting edge technology with high productivity, this new 3" hammer offers greater performance than any other hammer on the market today.



## **A premium production hammer**

The new Secoroc QLX 35 has been designed as an outstanding production hammer. Working in quarrying, open pit mining or seismic drilling, the new QLX 35 offers better penetration rates than its predecessor.

And when it comes to dimensional stone drilling, it would be difficult to find another hammer that can beat the QLX 35 on productivity and straight holes.


## **Reliable at heart**

Minimal downtime and quick service turn-rounds are critical for a production driller. That's why we have concentrated on minimising the number of moving parts and

reducing service time. For example, the back head and guide tube have been integrated into one unit, while the QL valve has been redesigned for improved reliability with stiffer O-rings. And thanks to the ingenious thread configuration the chuck always releases before the backhead when changing bits.

## **A worthy successor to COP 34**

The new improved Secoroc QLX 35 is a worthy successor to the COP 34 (retired in July 2010). From this retired renowned workhorse the best attributes has been taken over and improved. For example, in production drilling, the new Secoroc QLX 35 can offer up to a 30% increase in penetration rates.



### **Extended service life**

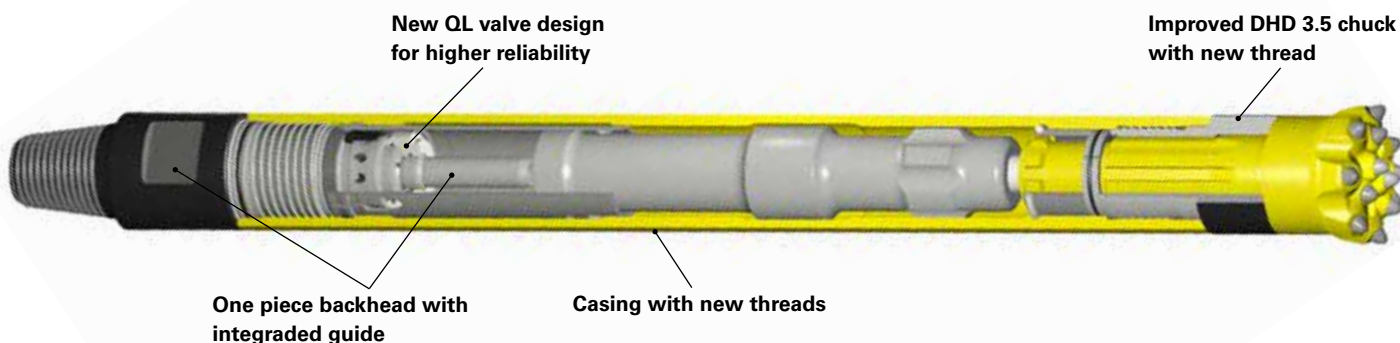
With the new Secoroc QLX 35 rebuild kit, hammer downtime is reduced considerably. This kit consists of wear parts such as cylinder, chuck, valve and o-rings. With the aid of a breakout bench, the rebuilds can be carried out quickly and the hammer be ready for work again in less than 30 minutes.

And that's not all; the QLX 35 can be rebuilt up to three times before being scrapped for a new Secoroc QLX 35 hammer.

### **Comprehensive range of bits**

Atlas Copco Secoroc offer a wide range of drill bits from 90-105mm (3<sup>9</sup>/<sub>16</sub>" to 4<sup>1</sup>/<sub>8</sub>") for soft rock to hard rock formation.

# Secoroc QLX 35 specifications



| General specifications              | Metric              | Imperial |
|-------------------------------------|---------------------|----------|
| Drill pipe connection               | API 2 3/8" Reg. Pin |          |
| Bit shank code / type               | DHD 3.5             |          |
| Length w/o bit shoulder to shoulder | 799 mm              | 31.4 in  |
| Length with bit extended            | 894 mm              | 35.2 in  |
| Outside diameter                    | 79 mm               | 3.1 in   |
| Weight w/o bit                      | 29,5 kg             | 65 lb    |
| Backhead across flats               | 1 3/4 x 2 1/2 AF    |          |
| Minimum bit size                    | 90 mm               | 3.5 in   |
| Maximum bit size                    | 105 mm              | 4.1 in   |
| Piston weight                       | 5,5 kg              | 12 lb    |
| Maximum pressure differential       | 30 bar              | 435 psi  |

| Secoroc QLX 35 & E-kit |                           |   |
|------------------------|---------------------------|---|
| Product No.            | Product code              | Connection                                      |
| 89001572               | 9703-QX-00-10P-35-000     | API 2 3/8" Reg. Pin                             |
| 89001574               | 9703-QX-00-47P-35-000     | Cubex # 21 Pin                                  |
| 89001569               | 9703-QX-00-000-00-000-K39 | E-kit incl. casing, chuck, valve and O-ring kit |

| Air consumption and impact frequency |          |           |           |
|--------------------------------------|----------|-----------|-----------|
| 6 bar/87 psi                         | 47 l/s   | 100 scfm  | 1220 bpm  |
| 10 bar/150 psi                       | 91 l/s   | 193 scfm  | 1531 bpm  |
| 16 bar/230 psi                       | 162 l/s  | 343 scfm  | 1923 bpm  |
| 20 bar/290 psi                       | 206 l/s  | 436 scfm  | 1948 bpm  |
| 25 bar/360 psi                       | 287 l/s  | 608 scfm  | 2206 bpm  |
| 30 bar/435 psi                       | 340 l/s* | 847 scfm* | 2500 bpm* |

\*estimated

| Bits          | Diameter |         | Product No. | Product code            | No. x Button diameter, mm (inch) |             |       |              | Flushing holes | Weight approx. |     |      |
|---------------|----------|---------|-------------|-------------------------|----------------------------------|-------------|-------|--------------|----------------|----------------|-----|------|
|               | mm       | inch    |             |                         | Outer                            | Inner       | Front | Cone         |                | kg             | lbs |      |
| FLAT FRONT    | 90       | 3 9/16  | 90515317    | 100-5090-35-1214,10-20  | 8x12.7 (1/2)                     |             |       | 7x11 (7/16)  |                | 2              | 5.8 | 12.8 |
|               | 92       | 3 5/8   | 90515318    | 100-5092-35-1214,10-20  |                                  |             |       |              |                | 2              | 5.8 | 12.8 |
|               | 95       | 3 3/4   | 90515319    | 100-5095-35-1214,10-20  |                                  |             |       |              |                | 2              | 5.9 | 13.0 |
|               | 100      | 3 15/16 | 90515320    | 100-5100-35-121A,10-20  |                                  |             |       | 7x12.7 (1/2) |                | 2              | 6.1 | 13.4 |
|               | 105      | 4 1/8   | 90515321    | 100-5105-35-1210,10-20  | 8x14.5 (9/16)                    |             |       |              |                | 2              | 6.3 | 13.9 |
| SPEEDBIT      | 92       | 3 5/8   | 90515322    | 100-5092-35-1254,10-20  | 8x12.7 (1/2)                     |             |       | 7x11 (7/16)  |                | 2              | 5.8 | 12.8 |
|               | 95       | 3 3/4   | 90515323    | 100-5095-35-1254,10-20  |                                  |             |       |              |                | 2              | 5.9 | 13.0 |
|               | 100      | 3 15/16 | 90515324    | 100-5100-35-125A,10-20  |                                  |             |       | 7x12.7 (1/2) |                | 2              | 6.1 | 13.4 |
|               | 105      | 4 1/8   | 90515325    | 100-5105-35-1250,10-20  | 8x14.5 (9/16)                    |             |       |              |                | 2              | 6.3 | 13.9 |
| CONCAVE       | 100      | 3 15/16 | 90515330    | 100-5100-35-021A,10-20  | 8x12.7 (1/2)                     |             |       | 4x12.7 (1/2) | 2x12.7 (1/2)   | 2              | 5.2 | 11.4 |
| ROCKETBIT     | 90       | 3 9/16  | 90515757    | 100-5090-35-623A,10-20  | 7x12.7 (1/2)                     | 4x12.7 (5)  |       | 2x12.7 (1/2) |                | 2              | 5.1 | 11.2 |
|               | 95       | 3 3/4   | 90515700    | 100-5095-35-623A,10-20  |                                  |             |       |              |                | 2              | 5.3 | 11.7 |
|               | 100      | 3 15/16 | 90003690    | 100-5100-35-6224, 10-20 | 8x12.7 (1/2)                     | 6x11 (7/16) |       | 2x11 (7/16)  |                | 2              | 5.5 | 12.1 |
|               | 105      | 4 1/8   | 90003691    | 100-5105-35-6224, 10-20 |                                  |             |       |              |                | 2              | 5.7 | 12.6 |
| FOOT VALVE    |          |         | 90515375    | 9091-90515375           |                                  |             |       |              |                |                |     |      |
| ASSEMBLY TOOL |          |         | 90515511    | 9110-90515511           |                                  |             |       |              |                |                |     |      |