**Atlas Copco** Service

# COP 1640+ / COP 1640EX

## Reliable productivity

- **High speed surface rock drill for superior operation**
- **Hole range 51 - 89 mm (2″ - 3½″)**

The COP 1640+ was created to provide increased service intervals. The + edition has recommended service intervals increased by 50 percent, giving higher machine utilization and reduced running costs. The COP 1640+ still has the same reliable performance as the COP 1640.

The COP 1640+ also promotes enhanced environmental sustainability. The upgraded rock drills come with an improved closed loop ECL (electrical control lubrication) system which provides cleaner operations and reduced wear on your feed and boom components.

The COP 1640+ / COP 1640EX series is efficient, with a dual-dampening system to dissipate shockwaves from the rock. This allows for a maximum of crushing power, while keeping the drill string threads securely tightened.

The COP 1640+ / COP 1640EX features two different stroke settings, for optimized efficiency. These settings ensure that the performance characteristics of the rock drill are quick and easy to adjust, guaranteeing optimal penetration rates even as hole size and rock conditions change.

*Sustainable Productivity*

Atlas Copco

## Built for excellent penetration

The COP 1640EX version comes with a built in powerful hydraulic extractor. This option practically eliminates the risk of losing the drill string if it is stuck.

Please contact your Atlas Copco representative for further advice on the rock drill and drilling consumable selection.

## Dimensions and weight

| | COP 1640+ | COP 1640EX |
|---|---|---|
| Weight (with adaptor) | 193 kg (425.5 lb) | 247 kg (544.5 lb) |
| Length (without adapter) | 1048 mm (3 ft 5.3 inch) | 1245 mm (4 ft 1 inch) |
| Width (without connectors) | 317 mm (1 ft 0.5 inch) | 257 mm (10.1 inch) |
| Height | 223 mm (8.8 inch) | 223 mm (8.8 inch) |
| Height over drill center | 88 mm (3.5 inch) | 88 mm (3.5 inch) |

## Shank adapters

| | COP 1640+ | COP 1640EX |
|---|---|---|
| R32E | 403-13302,10 | N/A |
| TC35E | 469-13302,10 | N/A |
| T38E | 435-13302,10 | 435-13402,10 |
| T45E | 436- 3302,10 | 436-13402,10 |
| T51E | 437-13302,10 | 437-13402,10 |

## Rotation

| | 100 cc (05) | 125 cc (06) | 160 cc (07) | 200 cc (08) | 250 cc (09) |
|---|---|---|---|---|---|
| Rotation range (continuous)* | 0 – 340 rpm | 0 – 270 rpm | 0 – 215 rpm | 0 – 170 rpm | 0 - 135 rpm |
| Torque (continuous)* | 640 Nm (472 lbf-ft) | 820 Nm (605 lbf-ft) | 1010 Nm (745 lbf-ft) | 1010 Nm (745 lbf-ft) | 1100 Nm (811 lbf-ft) |
| Working pressure (continuous) | 205 bar (2973 psi) | 205 bar (2973 psi) | 205 bar (2973 psi) | 160 bar (2321 psi) | 140 bar (2031 psi) |
| Oil consumption | 75 l/min (2.6 cfm) | 75 l/min (2.6 cfm) | 75 l/min (2.6 cfm) | 75 l/min (2.6 cfm) | 75 l/min (2.6 cfm) |

* at drill string

## Flushing flow and pressure

| | |
|---|---|
| Flushing water pressure | 5 - 25 bar (72.5 - 362.6 psi) |
| Lubricating air consution at the drill (maximum) | 3 bar (43.5 psi) |
| Flushing air (maximum) | 12 bar (174 psi) |

## Impact ratings

| | |
|---|---|
| Impact power (maximum) | 16 kW (21.4 hp) |
| Hydraulic pressure (maximum) | 200 bar (2900 psi) |
| Impact frequency | 55 Hz / 73 Hz |

## Service kits

| | COP 1640+ | COP 1640EX |
|---|---|---|
| Seal set kit | 3115 9170 92 | 3115 9168 90 |
| Minor preventative maintenance kit | 3115 9242 92 | 3115 9168 93 |
| Major preventative maintenance kit | 3115 9242 93 | 3115 9168 94 |
| Extractor seal kit | N/A | 3115 9153 95 |
| Extractor preventative maintenance kit | N/A | 3115 9153 98 |

**9851 3321 01. 09/2013** © Copyright 2013, Atlas Copco Rock Drills AB, Örebro, Sweden. Any unauthorized use or copying of the contents or any part thereof is prohibited. This applies in particular to trademarks, model denominations, part numbers and drawings. Illustrations and photos in this brochure may show equipment with optional extras. Specifications and equipment subjects to change without notice. Consult your Atlas Copco Customer Center for specific information.

Atlas Copco

**www.atlascopco.com**