

# Secoroc Rock Drilling Tools

## Secoroc COP 44 Gold down-the-hole hammer



### Designed for productive production drilling

**Secoroc COP 44 Gold DTH hammer offers higher penetration rate, greater reliability and an even lower cost per metre drilled than its predecessor.**

Rated at a pressure of 35bar the COP 44 Gold is primarily aimed at production drilling operations. Thanks to the heavier piston and finely tuned air flow, COP 44 Gold has an excellent penetration rate.

By using a Secoroc E-kit (casing, chuck and backhead) to rebuild the hammer when worn out, COP 44 Gold's life cycle is doubled or even tripled in abrasive formations. This for half the price of a new hammer per rebuild!

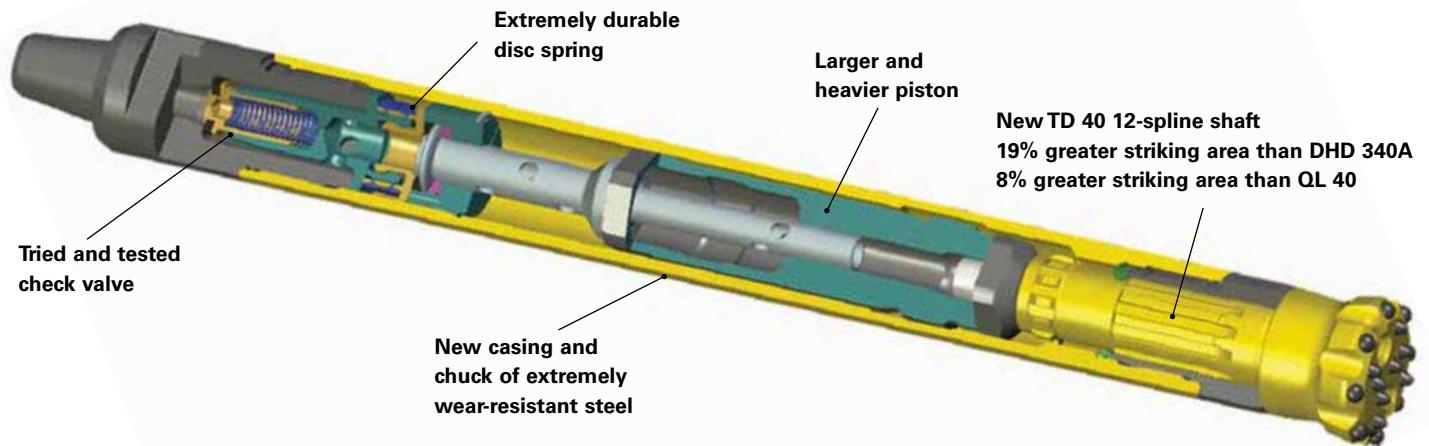
The new drill bits have TD 40 12-spline shafts. These maximize the life cycle of both chucks and bits while minimizing shank failures. The proven and reliable check valve protects the hammer from external water and guarantees optimum functionality.

COP 44 Gold primarily drills 110–130mm diameter holes though 140mm and 152mm drill bits are available. Guides for Symmetrix and Odex casing drilling systems are also available.



**Atlas Copco**

# COP 44 Gold specifications



General specifications		
Drill pipe connection	API 2 3/8" Reg. Pin or Cubex # 24 Pin	
Bit shank code / type	TD 40	
Length w/o bit shoulder to shoulder	961 mm	37.9 in
Length with bit extended	1089 mm	42.7 in
Length with bit retracted	1052 mm	41.2 in
Weight w/o bit	40,5 kg	89 lb
Backhead across flats	65 mm	2 9/16 in
Rec. bit size	110–130 mm	4 3/8–5 1/8 in
Outside diameter	100 mm	3 15/16 in
Piston weight	7,9 kg	15.6 lb
Maximum pressure differential	35 bar	508 psi

Secoroc COP 44 Gold		
Product No.	Product code	Connection
89001469	9704-CG-00-10P-64-000	API 2 3/8" Reg. Pin
89001471	9704-CG-00-48P-64-000	Cubex # 24 Pin

Air consumption and impact frequency		
Pressure	Liter/s	Strokes/min
10,5 bar/150 psi	105	1500
16 bar/230 psi	175	1890
20 bar/290 psi	240	1950
25 bar/360 psi	317	2150
30 bar/435 psi	400	2580
35 bar/508 psi	444	3000

Bits	Product No.	Product code	Number of buttons x button diameter, mm (inch), shape	
			Gauge buttons	Front buttons
110 mm, Flat front	90516005	100-5110-64-1210,10-20	8 x 14,5 (9/16), Spherical	7 x 12,7 (1/2), Spherical
115 mm, Flat front	90516006	100-5115-64-1210,10-20	8 x 14,5 (9/16), Spherical	8 x 12,7 (1/2), Spherical
115 mm, Flat front	90516450	100-5115-64-1228,10-20	8 x 15,8 (5/8), Semiballistic	6 x 14,5 (9/16), Semiballistic
120 mm, Flat front	90516506	100-5120-64-1210,10-20	8 x 14,5 (9/16), Spherical	8 x 12,7 (1/2), Spherical
125 mm, Flat front	90516227	100-5125-64-1210,10-20	8 x 14,5 (9/16), Spherical	10 x 12,7 (1/2), Spherical
130 mm, Flat front	90516007	100-5130-64-1218,10-20	8 x 15,8 (5/8), Spherical	8 x 14,5 (9/16), Spherical
140 mm, Flat front	90516447	100-5140-64-1218,10-20	8 x 15,8 (5/8), Spherical	10 x 14,5 (9/16), Spherical
152 mm, Flat front	90516446	100-5152-64-1217,10-20	8 x 15,8 (5/8), Spherical	8 x 15,8 (5/8), Spherical
115 mm, Speed bit	90516008	100-5115-64-1250,10-20	8 x 14,5 (9/16), Spherical	8 x 12,7 (1/2), Ballistic
120 mm, Speed bit	90516516	100-5120-64-1250,10-20	8 x 14,5 (9/16), Spherical	8 x 12,7 (1/2), Spherical
125 mm, Speed bit	90516364	100-5125-64-1250,10-20	8 x 14,5 (9/16), Spherical	10 x 12,7 (1/2), Ballistic
130 mm, Speed bit	90516365	100-5130-64-1250,10-20	8 x 14,5 (9/16), Spherical	10 x 12,7 (1/2), Ballistic
121 mm, Konkav	90516009	100-5121-64-0210,10-20	8 x 14,5 (9/16), Spherical	8 x 12,7 (1/2), Spherical
110 mm, Rocket bit	90516010	100-5110-64-623A,10-20	8 x 12,7 (1/2), Ballistic	8 x 12,7 (1/2), Ballistic
115 mm, Rocket bit	90516011	100-5115-64-623A,10-20	8 x 12,7 (1/2), Ballistic	8 x 12,7 (1/2), Ballistic
115 mm, Rocket bit	90516012	100-5115-64-6210,10-20	8 x 14,5 (9/16), Spherical	8 x 12,7 (1/2), Spherical

Foot valve	90516004	9115
Assembly tool	90516013	9141

E-kit		
Product No.	Product code	Connection
89001473	9704-03-34-040-K40	API 2 3/8" Reg. Pin
89001474	9704-12-34-040-K40	Cubex # 24 Pin



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