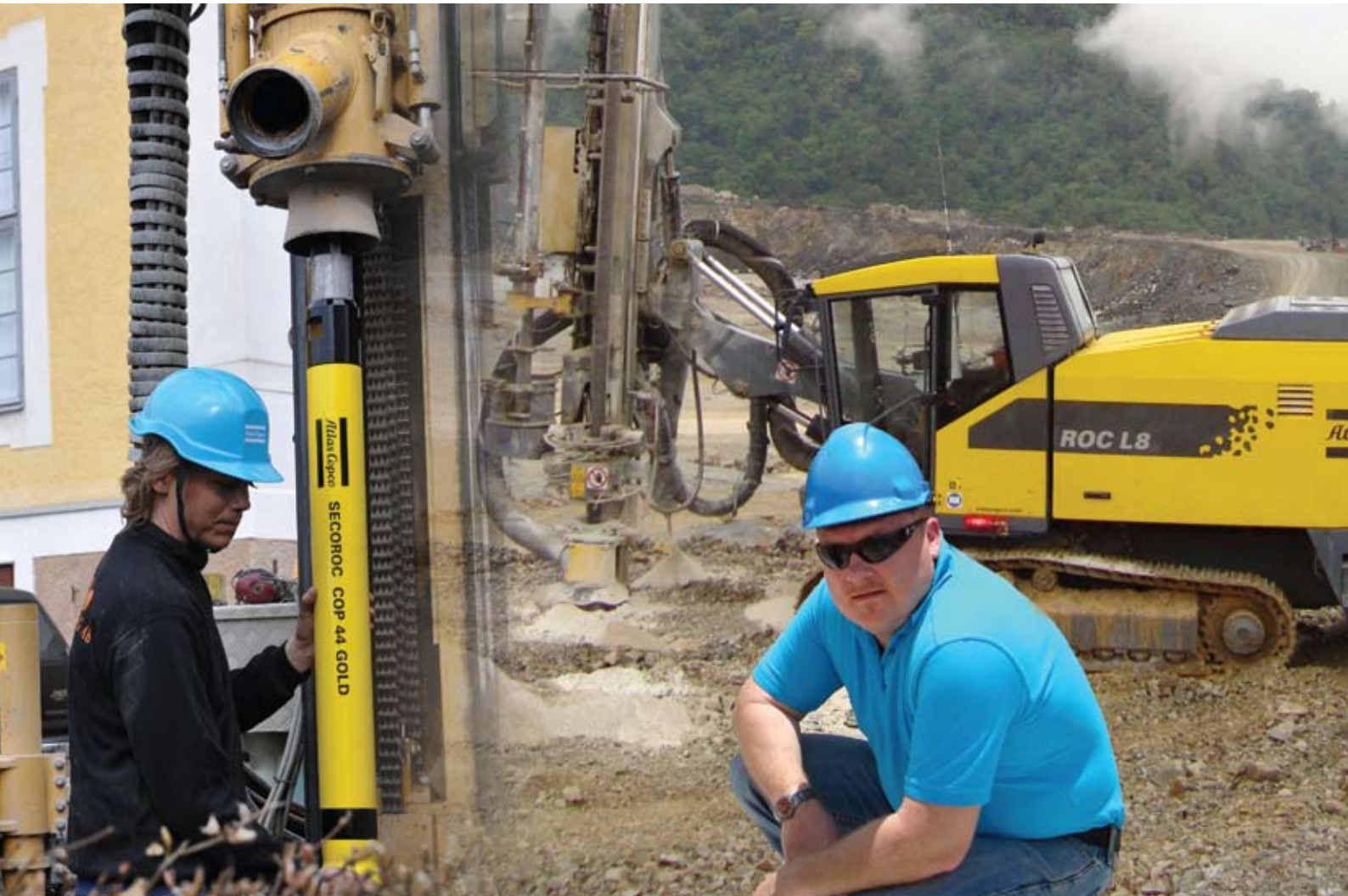


Secoroc Rock Drilling Tools

Secoroc COP 44 Gold down-the-hole hammer



Designed for productive well, geothermal and production drilling

The new Secoroc COP 44 DTH hammer is the latest member of the successful COP Gold range. This 4" hammer offers higher penetration rate, greater reliability and 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 but is also suitable for water well and geothermal drilling. Thanks to the heavier piston and finely tuned air flow, COP 44 Gold's excellent penetration rate can only be surpassed by the TD 40.

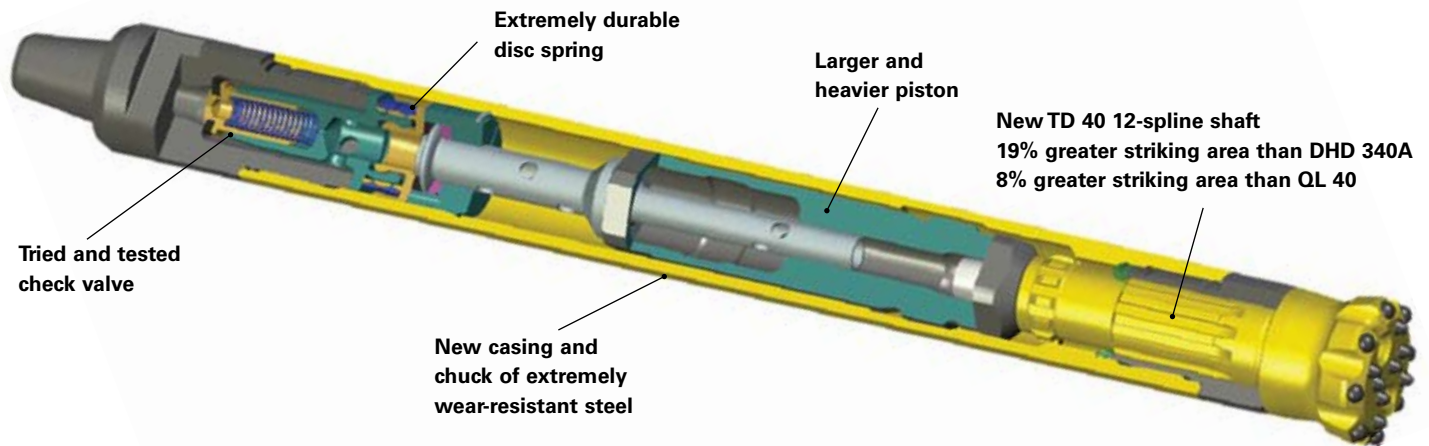
By using a Secoroc E-kit, consisting of a casing, chuck and backhead, COP 44 Gold's life cycle is doubled for the price of 1½ new hammers!

The new drill bits have TD 40 12-spline shafts. These maximise the life cycle of both chucks and bits while minimising 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		Secoroc COP 44 Gold	
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	
		Air consumption and impact frequency	
		Pressure	Liter/s
		10,5 bar/150 psi	105
		16 bar/230 psi	175
		20 bar/290 psi	240
		25 bar/360 psi	317
		30 bar/435 psi	400
		35 bar/508 psi	444
		Strokes/min	
			1500
			1890
			1950
			2150
			2580
			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	API 2 3/8" Reg. Pin
89001474	9704-12-34-040	Cubex # 24 Pin



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