

# **Atlas Copco Rock Drilling Tools**

## **SECOROC Down-the-hole equipment**

### **DHD Classic Hammers**



#### **Time-tested design**

Our DHD Classic product line is available for drilling contractors, owner-operators and large corporations who are specifically looking for the lowest priced drill. This time-tested design is practically bullet proof—it has been in continuous, successful use in the industry for over thirty years.

**Atlas Copco**

# DHD 12 Specifications

## General Specifications

	Standard		Deep Hole		"Slim"	
	English	Metric	English	Metric	English	Metric
Standard drill pipe connection (see options)	6 <sup>5</sup> / <sub>8</sub> API reg pin		6 <sup>5</sup> / <sub>8</sub> API reg pin		4 <sup>1</sup> / <sub>2</sub> API reg pin	
Outside diameter (in & mm)	10.88	276	10.88	276	10.0	254
Length w/o bit shoulder to shoulder (in & mm)	71.3	1811	71.3	1811	71.3	1811
Length with bit extended (in & mm)	80.6	2047	80.6	2047	80.6	2047
Length with bit retracted (in & mm)	78.6	1996	78.6	1996	78.6	1996
Weight w/o bit (lb & kg)	1318	599	1286	585	562	1237
Backhead across flats (in)	4 x 1 <sup>5</sup> / <sub>16</sub> " AF		4 x 1 <sup>5</sup> / <sub>16</sub> " AF		4 x 1 <sup>5</sup> / <sub>16</sub> " AF	
Minimum bit size (in & mm)	11.9	302	11.9	302	11.0	279
Maximum bit size (in & mm)	18.5	470	18.5	470	18.5	470
Bore (in & mm)	8.5	216	8.5	216	8.5	216
Piston weight (lb & kg)	250	114	250	114	250	114
Stroke (in & mm)	4.0	102	4.5	114	4.5	114
Maximum pressure differential (psig & bar)	250	17	250	17	250	17
Maximum choke diameter (in & mm)	0.88	22.3	0.88	22.3	22.3	0.88
Make-up torque (ft-lb & N-m)	12000	16248	12000	16248	12000	16248
Shank style	DHD112		DHD112		DHD112	

## Air Consumption:

	Standard		"Slim" & Deep Hole	
	570	269	738	348
100 psi/ 6,9 bar (scfm & l/s)	915		915	
blows per minute	915		915	
150 psi/ 10,3 bar (scfm & l/s)	1,029	485	1,288	608
blows per minute	1068		1068	
200 psi/ 13,8 bar (scfm & l/s)	1,529	721	1,813	855
blows per minute	1,220		1,220	
250 psi/ 17,2 bar (scfm & l/s)	2,070	976	2,313	1091
blows per minute	1,373		1,373	
300 psi/ 20,7 bar (scfm & l/s)	2,651	1250	2,788	1315
blows per minute	1,525		1,525	
350 psi/ 24,1 bar (scfm & l/s)	3,272	1543	3,238	1527
blows per minute	1,678		1,678	

Above specifications/ratings are based on initial factory setting

Part Information			CONNECTIONS								PHYSICAL FEATURES				OTHER FEATURES												
Prod. code	Part No.	Description	4-1/2 reg pin	4-1/2 BECO pin	6-5/8 reg pin	7-5/8 reg box	8-5/8 reg pin	Blank Backhead	No Backhead	Standard	Deep Hole	Mizer	Quarry Mining	Low Pressure	High Frequency	Thick Casing	Tough Casing	Left Hand Threads	Cutting Backhead	Two Piece Chuck	Retrieval System	Hydrocyclone	Oil Free	Reduced OD	Oversize Chuck	AirSelect	
51868677	9712-09-40-00	DHD112			X					X																	
51874477	9712-09-40-06	DHD112S			X					X															X		
51874485	9712-08-42-00	DH112W	X								X																
51874493	9712-08-42-05	DH112WHC	X							X											X						
51874519	9712-08-42-06	DH112WSHC	X							X											X			X			
51874535	9712-08-42-09	DH111WRHS	X							X											X		X				

Atlas Copco Secoroc offers a wide range of bit body designs and button inserts to meet your specific drilling requirements. Consult the Drill Bits catalogue, or contact your local sales office for details.