

# Atlas Copco Rock Drilling Tools

## SECOROC Down-the-hole equipment

### Total Depth Hammers



#### Maximum productivity

Our Total Depth product line is the best for drilling contractors, owner-operators and large corporations seeking maximum productivity from their costly drill-rig investment. This product line delivers industry-leading drilling performance using state-of-the-art technology. Our hybrid valved/valveless design maximizes the productivity of your air compressor. An enlarged piston bore coupled with accurate matching of piston-to-bit weight deliver the industry's highest power output.

*Atlas Copco*

# TD 80 Specifications

## General Specifications

	Standard		Quarry		Deep hole	
	English	Metric	English	Metric	English	Metric
Standard drill pipe connection (see options)	4 1/2 API reg pin		4 1/2 API reg pin		4 1/2 API reg pin	
Outside diameter (in & mm)	7.1	181	7.1	181	7.1	181
Length w/o bit shoulder to shoulder (in & mm)	57.7	1466	57.7	1466	57.7	1466
Length with bit extended (in & mm)	63.9	1629	63.9	1629	63.9	1629
Length with bit retracted (in & mm)	62.2	1580	62.2	1580	62.2	1580
Weight w/o bit (lb & kg)	475	216	475	216	475	216
Backhead across flats (in)	5 7/8 x2 AF		5 7/8 x2 AF		5 7/8 x2 AF	
Minimum bit size (in & mm)	7.9	200	7.9	200	7.9	200
Maximum bit size (in & mm)	12.0	305	12.0	305	12.0	305
Bore (in & mm)	5.9	150	5.9	150	5.9	150
Piston weight (lb & kg)	109	49.5	109	49.5	109	49.5
Stroke (in & mm)	3.8	95	3.8	95	3.8	95
Maximum pressure differential (psig & bar)	350	25	350	25	350	25
Maximum choke diameter (in & mm)	NA		NA		NA	
Make-up torque (ft-lb & N-m)	8000	10 832	8000	10 832	8000	10 832
Shank style	QL80		QL80		QL80	

## Air Consumption (AIRselect as shipped):

	TD80	
	245	116
100 psi/ 6,9 bar (scfm & l/s)	863	
blows per minute	423	200
150 psi/ 10,3 bar (scfm & l/s)	961	
blows per minute	640	302
200 psi/ 13,8 bar (scfm & l/s)	1,060	
blows per minute	894	422
250 psi/ 17,2 bar (scfm & l/s)	1,159	
blows per minute	1,185	559
300 psi/ 20,7 bar (scfm & l/s)	1,258	
blows per minute	1,515	715
350 psi/ 24,1 bar (scfm & l/s)	1,357	
blows per minute		

Abovespecifications/ratings are based on initial factory AIRselect 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	Jet Sub Connection					
52328127	9708-08-60-00	TD80	X							X																						
52340163	9708-08-60-08	TD80-QM	X										X						X							X						
52340189	9708-08-61-04-000	TD80-JS	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.