

Atlas Copco Rock Drilling Tools

SECOROC Down-the-hole equipment

Total Depth Hammers

TD50/55



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 50/55 Specifications

General Specifications

	Standard		Quarry	
	English	Metric	English	Metric
Standard drill pipe connection (see options)	3 1/2 API reg pin		3 1/2 API reg pin	
Outside diameter (in & mm)	4.8	122	5.1	129
Length w/o bit shoulder to shoulder (in & mm)	41.8	1061	41.8	1061
Length with bit extended (in & mm)	46.0	1169	46	1169
Length with bit retracted (in & mm)	44.9	1142	44.9	1142
Weight w/o bit (lb & kg)	153	70	178	81
Backhead across flats (in)	2 1/4 x 3 1/2 AF		2 1/4 x 3 1/2 AF	
Minimum bit size (in & mm)	5.3	134	5.5	140
Maximum bit size (in & mm)	6.0	152	6.0	152
Bore (in & mm)	3.9	100	3.9	100
Piston weight (lb & kg)	33	15	33	15
Stroke (in & mm)	3.8	95	3.8	95
Maximum pressure differential (psig & bar)	350	25	350	25
Maximum choke diameter (in & mm)	NA	NA	NA	NA
Make-up torque (ft-lb & N-m)	5000	6770	5000	6770
Shank style	QL50		QL50	

Air Consumption (AIRselect as shipped):

	TD50/55	
100 psi/ 6,9 bar (scfm & l/s)	174	82
blows per minute	1,305	
150 psi/ 10,3 bar (scfm & l/s)	283	133
blows per minute	1,426	
200 psi/ 13,8 bar (scfm & l/s)	408	192
blows per minute	1,547	
250 psi/ 17,2 bar (scfm & l/s)	549	259
blows per minute	1,668	
300 psi/ 20,7 bar (scfm & l/s)	705	333
blows per minute	1,788	
350 psi/ 24,1 bar (scfm & l/s)	876	413
blows per minute	1,909	
400 psi/ 27,6 bar (scfm & l/s)	965	455
blows per minute	2,030	
435 psi/ 30,0 bar (scfm & l/s)	1,096	517
blows per minute	2115	

Above specifications/ratings are based on initial factory AIRselect setting

Part Information			CONNECTIONS																PHYSICAL FEATURES																	
Prod. code	Part No.	Description	2-3/8 reg pin	2-3/8 reg box	2-7/8 IF pin	2-7/8 IF box	2-7/8 reg pin	2-7/8 reg box	3-1/2 reg pin	3-1/2 reg box	3-1/2 IF pin	3-1/2 BECO pin	4 FH pin	4 BECO pin	4-1/2 reg pin	4-1/2 BECO 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	
52331865	9705-03-60-00	TD50	X																X																	X
52334844	9705-05-60-00	TD50							X										X																	X
52334968	9705-05-62-00	TD55, TD50QM							X										X			X			X		X									X
TD50/55 Rebuild Kits & Accessories*																																				
52338522	9705-05-60-00-040	TD50 E-Kit							X										X																	
52338548	9705-05-62-00-040	TD55 E-Kit							X													X			X		X									

* In addition to new externals, rebuild kits also contain internal hardware needed to insure your rebuild is good from the inside out.

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.