

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 85/90 Specifications

General Specifications

	TD85 Standard		TD90 Standard	
	English	Metric	English	Metric
Standard drill pipe connection (see options)	4 1/2 API reg pin		4 1/2 API reg pin	
Outside diameter (in & mm)	7.75	197	7.75	197
Length w/o bit shoulder to shoulder (in & mm)	55.5	1410	55.5	1410
Length with bit extended (in & mm)	63.8	1619	63.8	1619
Length with bit retracted (in & mm)	62.0	1575	62.0	1575
Weight w/o bit (lb & kg)	525	239	525	239
Backhead across flats (in & mm)	6 1/2 X 2 AF		6 1/2 X 2 AF	
Minimum bit size (in & mm)	8.75	222	8.75	222
Maximum bit size (in & mm)	12.00	305	12.00	305
Bore (in & mm)	6.312	160	6.3	160
Piston weight (lb & kg)	119	54	119	54
Stroke (in & mm)	4.00	102	4.0	102
Maximum pressure differential (psig & bar)	350.0	25	350	25
Maximum choke diameter (in & mm)	0.50	12.7	0.50	12.7
Make-up torque (ft-lb & N-m)	8000	10 832	8000	10 832
Shank style	QL80		TD90	

Air Consumption (AIRselect as shipped):

	TD85/90	
	181	85
100 psi/ 6,9 bar (scfm & l/s)	902	
blows per minute	468	221
150 psi/ 10,3 bar (scfm & l/s)	1,001	
blows per minute	756	357
200 psi/ 13,8 bar (scfm & l/s)	1,099	
blows per minute	1,044	492
250 psi/ 17,2 bar (scfm & l/s)	1,198	
blows per minute	1,332	628
300 psi/ 20,7 bar (scfm & l/s)	1,297	
blows per minute	1,619	764
350 psi/ 24,1 bar (scfm & l/s)	1,396	
blows per minute		

Abovespecifications/ratings are based on initial factory AIRselect setting

Part Information			FEATURES																										
Prod. code	Part No.	Description	CONNECTIONS	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	PHYSICAL FEATURES	Standard	Deep Hole	Mizer	Quarry Mining	Low Pressure	High Frequency	OTHER FEATURES	Thick Casing	Tough Casing	Left Hand Threads	Cutting Backhead	Two Piece Chuck	Retrieval System	Hydrocyclone	Oil Free	Reduced OD	Oversize Chuck	AIRselect
52329430	9708-08-60-00	TD85		X								X							X										X
52337599	9708-08-60-03	TD85		X								X							X					X					X
52329414	9709-08-60-00	TD90		X								X																	X
52337607	9709-08-60-03	TD90		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.