

Atlas Copco Rock Drilling Tools

Atlas Copco Prisma 3 DV Down-the-hole hammer



Better Penetration rates with high reliability. Atlas Copco PRV D3 is designed to meet these requirements.

The metal valve technology ensures longevity and the heavy piston design gives the optimum penetration rates

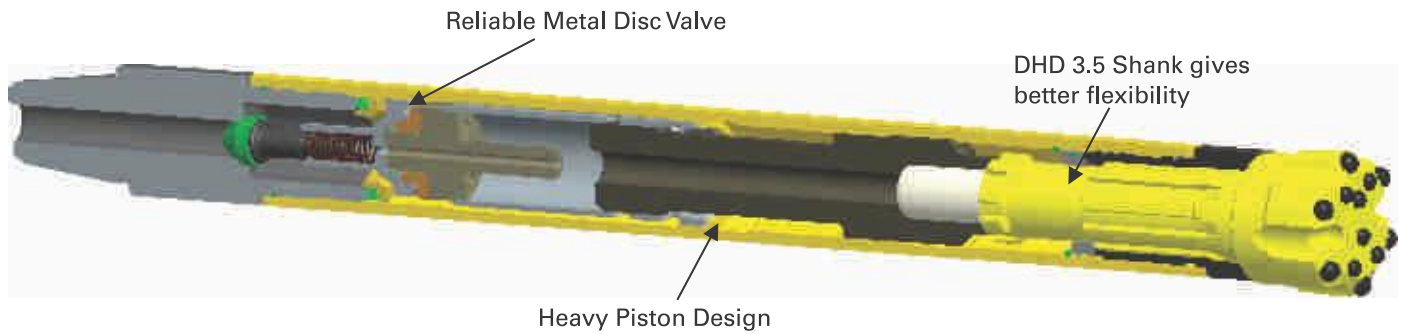
Designed to operate in 10 to 17 bar pressure range, the Prisma 3 DV hammer is primarily aimed for Quarry drilling but is also suitable for Construction, Mining and Exploration drilling applications. Metal disc valve and a heavy piston give this hammer a high level of reliability associated with good penetration rates. The Valved air regulation employed in this hammer is based on many proven and established patents of Atlas Copco, well recognized over the years for reliability in operation.

The earlier used DHD 3.5 shank bits are suitable for this hammer giving a much better choice on the button bit selection. The 8 -spline shaft offers high contact area for intermeshing of splines. The proven Check valve and Spring combination offers better protection from ingress of external water and cuttings, for optimum functionality of the hammer. Prisma 3 DV primarily drills 85-89mm diameter holes though 95 and 105mm bits are available.

Sustainable Productivity

Atlas Copco

Atlascopco Prisma 3 DV specifications



General specifications		
Drill pipe connection	API 2 3/8" Reg. Pin	
Bit shank code / type	DHD 3.5	
Length w/o bit shoulder to shoulder	776 mm	30.5 in
Length with bit extended	871 mm	34.3 in
Length with bit retracted	841 mm	33.1 in
Weight w/o bit	20.2 kg	44.5 lb
Backhead across flats	57mm	2.2 in
Rec. bit size	85 mm & above	3.3 in & above
Outside diameter	78 mm	3.1 in
Piston weight	4.06 kg	8.9 lb
Maximum Operating Pressure	17 bar	245 psi

Prisma 3 DV Hammer		
Product No.	Product code	Connection
93501498	9703-03-75-00	Api 2 3/8" Reg. Pin

Air consumption	
Pressure	Ltrs/sec (CFM)
10 bar/ 145 psi	105 (222.5)
15 bar/ 220 psi	160 (339.02)
17 bar/ 245 psi	178 (377)

Bits	Product No.	Product code
85 mm, Flat Front	93501035	100-5085-35-121F, 33-22
89 mm, Convex	93501422	100-5089-35-224F, 33-22
90 mm, Flat Front	93501036	100-5090-35-121A, 33-22
95 mm, Flat Front	93501039	100-5095-35-121F, 33-22
100 mm, Flat Front	93501043	1S0-5100-35-122A, 33-22
102 mm, Convex	93501710	100-5102-35-225A, 33-22
105 mm, Flat Front	93501045	1S0-5105-35-1210, 33-22
Foot valve	93501649	FV-MX EXHAUST TUBE

Number of button x button diameter, mm, shape	
Gauge buttons	Front buttons
6 X 12, Spherical	6 X 10, Spherical
6 X 12, Spherical	7 x 10, Semi-Ballistic
6 x 12, Spherical	6 x 12, Spherical
6 x 12, Spherical	6 x 10, Spherical
8 x 12, Semi-Ballistic	6 x 12, Semi-Ballistic
8 x 12, Spherical	6 x 12, Spherical
8 x 14, Spherical	6 x 12, Spherical



Atlas Copco Construction & Mining Sales
 (A Division of Atlas Copco (India) Ltd.)
 Sveanagar, Dapodi, Pune 411012.
 Phone: (020) 3072222 Fax: (020) 3072222 Fax: 39852070
 Reach us @ 1800 200 0030
www.atlascopco.com