

Atlas Copco Blasthole Drills India Product Range



IBH-10, IDM-30, IDM-45, IDM-70, DM-H

Rotary and DTH Drilling

4,435 kg to 49,896 kg (10,000 lb to 110,000 lb) Pull Down

Sustainable Productivity

Atlas Copco

Heavy duty concept for drilling in open pit mines

The Atlas Copco blasthole drills are crawler mounted; hydraulic top head drive multi pass drilling rigs designed for drilling in tough mining conditions. These heavy and durable drills are being used at several of the largest mines in India.

The Atlas Copco blasthole drills has a diameter range capability of 114mm (4.1/2") up to 311mm (12.1/4") and depth range capability of 12m (40ft) up to 60m (200ft). They have an onboard air and other supporting systems to make positive impact on your bottom line.

DM-H Blasthole Drill

The largest of blasthole product range the DMH is a heavy duty multi pass drilling rig. It has a capability to handle 15m (50ft) drill pipe. With reduced number of pipe joints to make and break the DMH is capable of achieving greater depths in shorter time. It can drill a hole diameter of 229-311mm (9"-12.1/4") by rotary air method.



IDM-70 Blasthole Drill

The IDM 70 has proven itself to be successful reliable drilling rig in the several mines. It is capable of drilling a hole diameter of 229-270mm (9"-10.5/8") by rotary air method. It has two different mast options to handle drill pipe of 7.62m (25ft) and 10.67m (35ft)

IDM-45 Blasthole Drill

The IDM 45 is a sturdy & multipurpose drill for drilling a diameter of 152 mm (6") by DTH method and 200mm (8") by rotary air method. It has a standard mast to handle a drill pipe of 7.62m (25ft).





IDM-30 Blasthole Drill

The IDM 30 is the unique multipurpose drill for drilling a hole of diameter of 152-165mm (6-6.1/2") by DTH and rotary air method. It has two different masts to handle a drill pipe of 7.62m (25ft) and 9.98m (32.75ft)

IBH-10 Blasthole Drill

The smallest of blasthole product range, the IBH 10 has a capability to drill 114-165mm (4.1/2-6.1/2") by DTH method. It has a standard mast to handle a drill pipe of 3.75m (12ft).



A SELECTION OF FEATURES AND OPTIONS

For a more comprehensive options list please contact your local Atlas Copco Customer Center



Operator's Cabin

Cabins are FOPS certified and have an option for AC fitment. The new cabins provide better operator comforts and visibility. It is designed to keep the noise level minimum inside the cabin.



Dust Control System

Dust Collector is an airdust separation system which controls the dust particles released to the environment during drilling. NVE & Cyclone are the two types of dust control system



Angle Drilling Package

The optional angle drilling package allows tower to be positioned from 0 to 15° / 30° from the vertical position, in 5° increments. All controls are located at operator's control console inside the cab.



Auto Fire System

The optional auto fire suppression system gives Safety Provision against ABC fires as per National Fire Protection Association.

Technical Data

DESCRIPTION	DMH	IDM 70	IDM 45	IDM 30	IBH 10
Drilling Type	Rotary	Rotary	DTH & Rotary	DTH & Rotary	DTH
Hole Diameter	229-311 mm (9"-12.1/4")	229-270 mm (9"-10.5/8")	152-200 mm (6"- 8")	152-165 mm (6"- 6.1/2")	114-165mm (4.1/2"- 6.1/2")
Pull Down	49,896 kg (110,000 lb)	31,751 kg (70,000 lb)	20,400 kg (45,000 lb)	13,608 kg (30,000 lb)	4,435 kg (10,000 lb)
Rotation Torque	1,630 kgm (141,550 in.lb)	1,154 kgm (100,000 in.lb)	801 kgm (69,523 in.lb)	328 kgm (28,410 in.lb)	328 kgm (28,410 in.lb)
Drill Pipe	15.24 m (50ft)	7.62 m (25ft) 10.67 m (35ft)	7.62 m (25ft)	7.62m (25ft) 9.98 m (32.75ft)	3.75 m (12ft)
Drill Pipe Carousel Capacity	Four	Four for 7.62 m (25ft) Three for 10.67 m (35ft)	Four for 7.62 m (25ft)	Three for 7.62 m (25ft) Two for 9.98 m (32.75ft)	Three for 3.5 m (12ft)
Inbuild Drilling Depth Capability	4 Rods of 15.24m (50ft)	5 Rods of 7.62 m (25ft) 4 Rods of 10.67 m (35ft)	4 Rods of 7.62 m (25ft)	4 Rods of 7.62 m (25ft) 3 Rods of 10.67 m (35ft)	4 Rods of 3.5 m (12ft)
Power	Electric	Electric or Diesel	Diesel	Electric or Diesel	Diesel Power
Compressor					
m3 /min @ bar (cfm @ psig)	73.6 @ 7.6 (2600 @ 110)	28 @ 7 (1000 @ 100)	28 @ 7 (1000 @ 100)	17 @ 7 (600 @ 100)	25 @ 12 (520 @ 170)
m3 /min @ bar (cfm @ psig)	45.3 @ 7.6 (1600 @ 110)	34 @ 7 (1200 @ 100)	28 @ 21 (1000 @ 300)	21 @ 14 (750 @ 200)	
Dust Collector Type	NVE	NVE/Cyclone	NVE/Cyclone	NVE/Cyclone	Cyclone
AC Cabin	Yes	Yes	Yes	Yes	No
Angle Drilling	Yes	Yes	Yes	Yes	Yes
Water Injection System	Yes	Yes	Yes	Yes	Yes
Centralised Auto Lubrication	Yes	Yes	Yes	Yes	Yes
Auto Fire Suppression	Yes	Yes	Yes	Yes	Yes
Total Weight (approx)	136,080 kg (300,000 lb)	67,300 kg (148,371 lb)	36,000 kg (79,000 lb)	28,500 kg (62,700 lb)	12,500 kg (26,400 lb)

REGIONAL CUSTOMER CENTERS

BRANCH	ADDRESS	PHONE	FAX
CHENNAI	8th Floor, West Wing, Shyamala Tower, 136 Arcot Rd, Saligramam, Chennai-600 093, INDIA.	+91 (44) 39156003	+91 (44) 39156022
DELHI	Unitech Cyber Park, Tower 'C', Ground Floor, Sector 39, Gurgaon -122 001, INDIA.	+91 (124) 3027900	+91 (124) 3027924
HYDERABAD	6-3-1191-1196, Brij Tarang, Green Lands, Begumpet, Hyderabad - 500 016, INDIA.	+91 (40) 39188729	+91 (40) 23417923
KOLKATA	Trinity Plaza, 2nd Floor, 84/1A Topsia Road (South), Kolkata - 700 046, INDIA.	+91 (33) 2285 1041	+91 (33) 2285 1043
MUMBAI	Mahatma Gandhi Memorial Building, Netaji Subhas Road, Mumbai - 400 002, INDIA.	+91 (22) 22810046	+91 (22) 22819946
NAGPUR	6th Floor, Poonam Plaza, Civil Lines , Opp. Swagat Lawns, Nagpur - 440 001, INDIA.	+91 (712) 3985 180	+91 (712) 6617 972
RANCHI	Rohini, 4th Floor, 56 Circular Road, Lalpur, Ranchi - 834 001, INDIA.	+91 (651) 2563840	+91 (651) 2563688
UDAIPUR	207-208, Vinayak Business Center, Fathepura, Udaipur - 313 001, Rajasthan, INDIA.	+91 (294) 3058000	+91 (294) 3058013



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