



# apollo

**A Series**  
Product Line

**THE ULTIMATE  
DRILLING SOLUTIONS**



**India's First**  
**Horizontal Directional Drill**  
**Machine Manufacturer**

[www.apollotechno.com](http://www.apollotechno.com)



*Directional Boring, also referred to as Horizontal Directional Drilling(HDD), is a minimal impact trenchless method of installing underground utilities such as pipe, conduit, or cables in a relatively shallow arc or radius along a prescribed underground path using a surface-launched drilling rig, with minimal impact on the surrounding area.*

*Directional Drilling is used when trenching or excavating is not practical. It is suitable for a variety of soil conditions and jobs including road, landscape and river crossings. Pipe can be made of materials such as PVC, High Density Poly Ethylene (HDPE), Poly Propylene, and Steel Pipe as long as it can be pulled through the drilled hole.*

**INDIA'S ONLY FASTEST  
GROWING MANUFACTURER OF HORIZONTAL  
DIRECTIONAL DRILLING**



## **ABOUT THE COMPANY**

Apollo Techno Group promoters has a strong and broad footprint into manufacturing of road construction equipment. The Group is built on a strong foundation of customers value creation with over four decades of responsible business practices. Moving towards diversification by indulging into manufacturing, the Group promoters have accelerated their manufacturing to underground construction equipment – Horizontal Directional Drilling machines. And today we, at Apollo Techno Industries Private Limited, are pioneering in the Horizontal Directional Drilling machinery as India's First manufacturer.

Our expertise in equipment manufacturing for over four decades has helped us develop a deep understanding of customer needs, and this has been translated as our own Impact Design language. We have earned recognition as one of the key players in the drilling machinery industry in the domestic and international markets. We are into the manufacturing of various types of directional drills, mud pumps, rotary drilling rigs (pilling rigs), trenchers and downhole tooling, along with on-site services. The organization functioned on SAP ERP systems with modern methods of manufacturing process that manages and integrates availability of spares on time.

Apollo Techno is a growing global equipment force with innovative leadership and focused on strong customer relationship. The company has stand with qualified and experienced team, which are always ready to serve and committed towards total satisfaction to customers by providing quality products & after sales support at the highest standard.





## MANUFACTURING FACILITY



World-class manufacturing forms the essence of Apollo Techno. In the manufacturing process, our facilities ensure that every step – from design to production to assembly – follows the highest standards of quality. Situated at India's best strategic location in Gujarat (Ahmedabad-Mehsana state highway) with over 34000 square meter spread area, our workshops combine modern manufacturing practices with cutting edge technology. Each workshop is equipped with state-of-the-art manufacturing and assembly lines to cater to large numbers and different variants of machines. Our constant focus on automation and technology makes us the leader in India's Horizontal Directional Drilling market and places us among the top in the Industry.

While manufacturing machines, we pay emphasis on safety, maintenance, user comfort and life cycle cost. To offer the best machine experience to our customers, our passionate engineering and quality talent ensures production of superior machines, which has led to the rapid growth in global demand for our Machines.





## A SERIES MACHINES A TRUE MARKET LEADER

Today, A series leads out more popular into Indian market for its outstanding performance, easy operation, and low operative cost. When it comes to operate in challenging ground conditions, we offer advanced solution to complete your critical applications.

A Series featured with high torque, and the tonnage from 5 to 180 tons backed with 6000 PSI hydraulic pressure that create more power. A compact footprint with robust design makes the rig more efficient and powerful compared to the competitors. A Series resonate with the latest technological advancements and the ideal choice in the drilling segment. We also offer add-on mud pump powered with engine that assures great performance of our rigs.

**A LARGE-SIZE RIG FOR  
BIGGER JOB-SITE**



**A2000 HDD**



**RANGE OF  
PRODUCTS**



**A100 HDD**



**A800 HDD**



**A200 HDD**



**A900 HDD**



**A400 HDD**



**A1000 HDD**



**A600 HDD**



**A1200 HDD**



# Horizontal Directional Drill Machines



## Technical Specifications

Models	A100	A200	A400	A600	A800	A900
Dimensions & Weights						
Length	4450 mm	5250 mm	5400 mm	6080 mm	5880 mm	6180 mm
Width	1575 mm	1575 mm	1970 mm	2160 mm	2370 mm	2370 mm
Height	2020 mm	2020 mm	2190 mm	2210 mm	2340 mm	2340 mm
Weight (without Drill Pipe)	4340 kg	4940 kg	6080 kg	6970 kg	9508 kg	10270 kg
Weight (with Drill Pipe)	4576 kg	5598 kg	7730 kg	8670 kg	11208 kg	12170 kg
Engine						
Make & Model	Ashok Leyland ALUW04D		Ashok Leyland H4CTINES24/1		Ashok Leyland H6ETIC3RS23/1	
Fuel Type	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Maximum Engine Speed	2200 rpm	2200 rpm	2400 rpm	2400 rpm	2300 rpm	2300 rpm
Number of Cylinders	4 Cylinders with Turbo Charger		4 Cylinders with Turbo Charger		6 Cylinders with Turbo Charger	
Horse-Power Rating	76 hp (56 kW)	76 hp (56 kW)	130 hp (97 kW)	130 hp (97 kW)	160 hp (119 kW)	160 hp (119 kW)
Maximum Torque	230 Nm @ 1800 rpm		460 Nm @ 1700 rpm		589 Nm @ 1800 rpm	
Cooling Method	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Drill Pipe						
Working Length	1829 mm (1.8 m)	3048 mm (3 m)	3048 mm (3 m)	3048 mm (3 m)	3048 mm (3 m)	3048 mm (3 m)
Weight (Each Pipe)	12 kg	23 kg	34 kg	34 kg	34 kg	38 kg
Rod Box Capacity	28 Pipes	28 Pipes	50 Pipes	50 Pipes	50 Pipes	50 Pipes
Outer Diameter of Joints	48 mm	54 mm	66.7 mm	66.7 mm	66.7 mm	70 mm
Outer Diameter of Tube	42 mm	48 mm	60.3 mm	60.3 mm	60.3 mm	60.3 mm
Mud Pump						
Flow	26 GPM		53 GPM		70 GPM	80 GPM
Pressure	1000 psi	1000 psi	1000 psi	1000 psi	1000 psi	1000 psi
Technical Parameter						
Maximum Spindle Speed	216 rpm	216 rpm	260 rpm	258 rpm	234 rpm	197 rpm
Maximum Spindle Torque	3800 Nm	4900 Nm	5500 Nm	6000 Nm	6500 Nm	7500 Nm
Thrust Force	5000 kg	9850 kg	8150 kg	16080 kg	22090 kg	34600 kg
Pull-Back Force	5000 kg	9850 kg	11810 kg	16080 kg	22090 kg	34600 kg
Features						
Electrical System	12 V	12 V	12 V	12 V	24 V	24 V
Drilling Lights	YES	YES	YES	YES	YES	YES
Auto-Anchoring System	YES	YES	YES	YES	YES	YES
Crane	–	–	–	–	–	–
Hydraulic Enable	YES	YES	YES	YES	YES	YES
Rack-Pinion System	YES	YES	–	YES	YES	YES
Auto Rod-Loader System	–	–	–	YES	YES	YES
Operators’ Cabin (Optional)	–	–	–	–	–	–
Drive System	Steel Track	Steel Track	Steel Track	Steel Track	Steel Track	Steel Track
Hydraulic Systems						
Auxiliary Pump Relief Pressure	3000 psi	3000 psi	3000 psi	3000 psi	3000 psi	3000 psi
Thrust/Pull-Back Pump Relief Pressure	3350 psi	3350 psi	3000 psi	6000 psi	6000 psi	6000 psi
Rotational Pump Relief Pressure	3750 psi	3750 psi	6000 psi	6000 psi	6000 psi	6000 psi
Fluid Capacities						
Engine Oil Capacity	10 litre	10 litre	12 litre	12 litre	19 litre	19 litre
Diesel Tank Capacity	120 litre	120 litre	130 litre	130 litre	168 litre	168 litre
Hydraulic Oil Tank Capacity	182 litre	182 litre	210 litre	224 litre	239 litre	239 litre

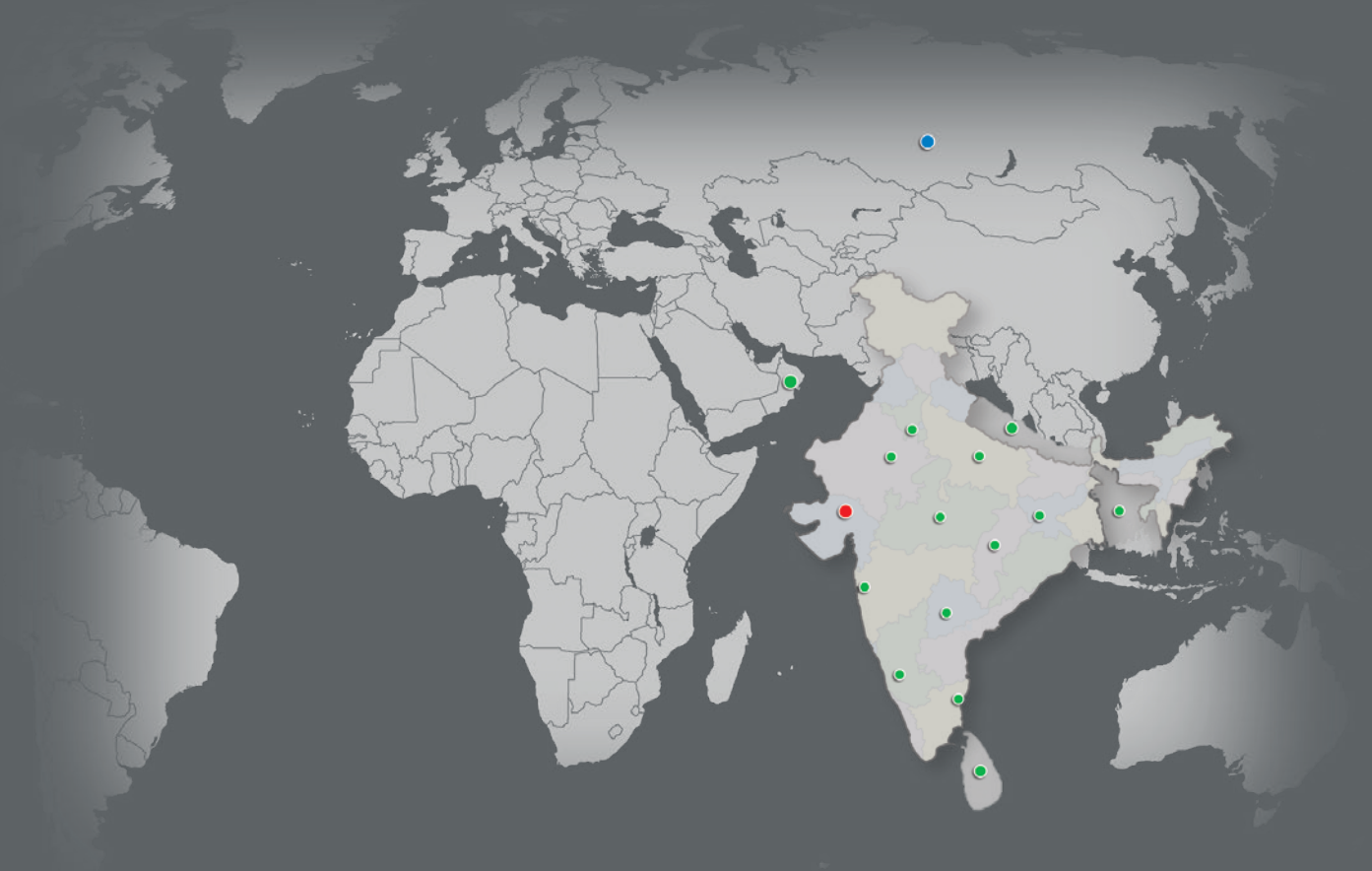
## Technical Specifications

Models	A950	A1000	A1200	A1500	A2000	A3000
Dimensions & Weights						
Length	6650 mm	9930 mm	10720 mm	11720 mm	12930 mm	16930 mm
Width	2400 mm	2440 mm	2600 mm	2600 mm	2600 mm	2800 mm
Height	2580 mm	2650 mm	3670 mm	3670 mm	4015 mm	4015 mm
Weight (without Drill Pipe)	12570 kg	19230 kg	22850 kg	24540 kg	33250 kg	36250 kg
Weight (with Drill Pipe)	14622 kg	20406 kg	24650 kg	26690 kg	–	–
Engine						
Make & Model	Ashok Leyland ALUW06DTI	Ashok Leyland H6ETICRC3R323	Ashok Leyland AL8NTIDG3		Cat® C9.3	Cat® C9.3
Fuel Type	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Maximum Engine Speed	2200 rpm	2200 rpm	2200 rpm	2200 rpm	2000 rpm	2000 rpm
Number of Cylinders	6 Cylinders with Turbo Charger		6 Cylinders with Turbo Charger		6 Cylinders with Turbo Charger	
Horse-Power Rating	220 hp (164 kW)	225 hp (167 kW)	280 hp (208 kW)	300 hp (223 kW)	402 hp (300 kW)	442 hp (330 kW)
Maximum Torque	750 Nm @ 1500 rpm	840 Nm @ 1600 rpm	1350 Nm @ 1400 rpm		1794 Nm@1400 rpm	
Cooling Method	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Drill Pipe						
Working Length	3048 mm (3 m)	4572 mm (4.5 m)	6096 mm (6 m)	6000 mm (6 m)	6000 mm (6 m)	9600 mm (9.6 m)
Weight (Each Pipe)	54 kg	98 kg	150 kg	180 kg	200 kg	350 kg
Rod Box Capacity	32 Pipes	12 Pipes	12 Pipes	12 Pipes	–	–
Outer Diameter of Joints	83 mm	103 mm	111 mm	127 mm	158 mm	190 mm
Outer Diameter of Tube	73 mm	89 mm	89 mm	114 mm	114 mm	139 mm
Mud Pump						
Flow	100 GPM	200 GPM		200 GPM		–
Pressure	1000 psi	800 psi	800 psi	800 psi	1000 psi	–
Technical Parameter						
Maximum Spindle Speed	162 rpm	114 rpm	98 rpm	94 rpm	86 rpm	66 rpm
Maximum Spindle Torque	10200 Nm	19798 Nm	30200 Nm	36300 Nm	39477 Nm	77012 Nm
Thrust Force	41800 kg	50400 kg	64800 kg	95400 kg	120300 kg	160300 kg
Pull-Back Force	41800 kg	50400 kg	64800 kg	95400 kg	120300 kg	160300 kg
Features						
Electrical System	24 V	24 V	24 V	24 V	24 V	24 V
Drilling Lights	YES	YES	YES	YES	YES	YES
Auto-Anchoring System	YES (OPTIONAL)	–	–	–	–	–
Crane	–	–	–	–	YES (OPTIONAL)	YES (OPTIONAL)
Hydraulic Enable	YES	YES	YES	YES	YES	YES
Rack-Pinion System	YES	YES	YES	YES	YES	YES
Auto Rod-Loader System	YES	YES	YES	YES (OPTIONAL)	–	–
Operators’ Cabin (Optional)	–	YES	YES	YES	YES	Separate Cabin
Drive System	Steel Track	Steel Track	Steel Track	Steel Track	Steel Track	Steel Track
Hydraulic Systems						
Auxiliary Pump Relief Pressure	3000 psi	3000 psi	3000 psi	3000 psi	3000 psi	3000 psi
Thrust/Pull-Back Pump Relief Pressure	6000 psi	6000 psi	6000 psi	6000 psi	6000 psi	6000 psi
Rotational Pump Relief Pressure	6000 psi	6000 psi	6000 psi	6000 psi	6000 psi	6000 psi
Fluid Capacities						
Engine Oil Capacity	19 litre	20 litre	25 litre	32 litre	32 litre	32 litre
Diesel Tank Capacity	168 litre	242 litre	250 litre	250 litre	345 litre	373 litre
Hydraulic Oil Tank Capacity	239 litre	390 litre	440 litre	440 litre	475 litre	545 litre

# NATIONWIDE SUPPORT

No matter what the location, Apollo Techno is committed to provide extraordinary after sales support and genuine spare parts to customer. Our nationwide network of engineers and factory-trained technicians are always ready to support you with cost-effective service solutions that will keep your machine running at peak performance. Our warehouse operates on SAP ERP that manages and integrates availability of spares on time. We also provide on-site training support on preventive maintenance and equipment safety to the customers' operators.

Our Annual Maintenance Contracts (AMC) is much cost effective option for customer. It is a long-term comprehensive service contract covering unexpected breakdowns, which help to reduce maintenance cost and increase product life.



Head Office & Factory:

**Apollo Techno Industries Private Limited**

Survey No. 167, Ahmedabad-Mehsana Highway,  
Mandali - 382732, Dist.: Mehsana, (Gujarat) India.  
+91 99090 14960, 90990 77566

info@apollotechno.com | [www.apollotechno.com](http://www.apollotechno.com)

Our Presence:

Ahmedabad, Bengaluru, Bhopal, Chennai, Delhi,  
Kolkata, Lucknow, Mumbai, Ranchi

Global Presence:

UAE, Russia

Sales Inquiry +91 97734 56851  
Customer Care +91 63546 00916



Find us on

