

The Characteristics Of Big Size DTH Hammer -Using In Water Wells, Oil, Gas, and Construction Drilling

Based on the characteristics of the wells, oil, gas, and construction drilling, our company self-designed, developed and manufactured this kind of high air pressure DTH hammer.

It has the following characteristics:

- ☒ Using the latest rock drilling theory, optimizing the inside structure and the size of the air distribution, to make the DTH Hammer obtain the optimal energy transfer and make it achieve faster drilling speed and lower air consumption.
- ☒ For such projects as the drill bit break, retrieving very difficult, we specially designed a safe and reliable anti shedding device for the bit.
- ☒ The check valve can be replaced to the one with bigger air controlling hole to provide more efficient cutting discharge.
- ☒ The top sub and the drive chunk have special thread, which can achieve an easier disassemble.

Big Size DTH Hammer Without Foot Valve (i.e. MD330A)

M	D	330	A
Our Company: Maxdrill	Down the hole	The O.D. of hammer is 330mm	A- Bit without foot valve

Decomposition	Item	Part Number	Description
	1	MD330A01	Top Sub
	2	MD330A02	"O" Ring of Top Sub
	3	MD330A03	Breakout Ring
	4	MD330A04	Check Valve
	5	MD330A05	Spring
	6	MD330A06	Air Distributor
	7	MD330A07	Internal Cylinder
	8	MD330A08	Piston
	9	MD330A09	External Cylinder
	10	MD330A10	Guided Sleeve
	11	MD330A11	"O" Ring of Stop Ring
	12	MD330A12	Stop Ring
	13	MD330A13	Breakout Ring
	14	MD330A14	Drive Chuck
	15	MD330A15	Retainer
	16	MD330A16	Drill Bit

Technical Parameters

Length(Less bit)	3870mm
Weight(Less bit)	1050.00Kg
External Diameter	Ø330mm
Bit Shank	MD330
Hole Range	ø 350- ø 660
Connection Thread	API 7 5/8" Reg
Working Pressure	1.0-2.5Mpa
Impact Rate at 1.7Mpa	20HZ
Recommended Rotation Speed	15-25r/min
Air Consumption	145-350PSI 836-1150CFM

Product Number

MD330A

Decomposition	Item	Part Number	Description
	1	MD450A01	Top Sub
	2	MD450A02	"O" Ring of Top Sub
	3	MD450A03	Breakout Ring
	4	MD450A04	Check Valve
	5	MD450A05	Spring
	6	MD450A06	Air Distributor
	7	MD450A07	Internal Cylinder
	8	MD450A08	Piston
	9	MD450A09	External Cylinder
	10	MD450A10	Guided sleeve
	11	MD450A11	Piston Retaining Ring
	12	MD450A12	Bit Retaining Ring
	13	MD450A13	Breakout Ring
	14	MD450A14	Drive Sub
	15	MD450A15	Drill Bit

Product Number

MD450A

Technical Parameters

Length(Less bit)	2195mm
Weight(Less bit)	1450.00Kg
External Diameter	Ø450mm
Bit Shank	MD450
Hole Range	ø 550- ø 700
Connection Thread	According to your request
Working Pressure	1.0-2.5Mpa
Impact Rate at 1.7Mpa	20HZ
Recommended Rotation Speed	15-25r/min
Air Consumption	145-350PSI 836-1150CFM

Decomposition	Item	Part Number	Description
	1	MD525A01	Top Sub
	2	MD525A02	"O" Ring of Top Sub
	3	MD525A03	Breakout Ring
	4	MD525A04	Check Valve
	5	MD525A05	Spring
	6	MD525A06	Air Distributor
	7	MD525A07	Internal Cylinder
	8	MD525A08	Piston
	9	MD525A09	External Cylinder
	10	MD525A10	Guided Sleeve
	11	MD525A11	"O" Ring of Stop Ring
	12	MD525A12	Stop Ring
	13	MD525A13	Breakout Ring
	14	MD525A14	Drive Sub
	15	MD525A15	Drill Bit

Technical Parameters

Length(Less bit)	2650mm
Weight(Less bit)	2895.00Kg
External Diameter	Ø525mm
Bit Shank	MD525
Hole Range	ø 610- ø 800
Connection Thread	According to your request
Working Pressure	1.0-2.5Mpa
Impact Rate at 1.7Mpa	20HZ
Recommended Rotation Speed	15-25r/min
Air Consumption	145-350PSI 836-1150CFM

Product Number

MD525A