

# Latest Generation Ultra modern, Dynamic & Versatile DTH Hammers



Lotus



" Lotus " DTH HAMMERS  
& BUTTON BITS  
(MOST POPULAR &  
LEADING INTERNATIONAL  
SHANK HAMMERS)

Fastest Drilling Penetration  
Rate with Low Maintenance Cost

## 'LOTUS' DTH HAMMERS

The 'Lotus' DTH Hammers have been developed after extensive research with choice of **shanks of all popular and leading DTH Hammer models that are preferred all over the world**, which ensures best quality giving hammers longer life with less need of maintenance, less wear and tear, thus giving the end user more drilling meterage and optimum performance and more income being economical. The 'Lotus' Hammers are heavy duty and are available in sizes range of 4" to 10" diameters.

'Lotus' brand state of art DTH Hammers and other popular brand DTH Hammers manufactured by us, give a wide range of other benefits to the users, as they are built with valve less technology, thus the performance is extremely good & reliable. 'Lotus' hammers incorporate the facility of lubricated bit shanks to ensure splin wear to least. The facility of reversible piston casing and simple & rugged construction ensures extended service life and easy maintenance with less wear & tear and low operational costs.

'Lotus' hammers, combined with the best quality of compatible Button Bits, will give users an excellent drilling capacity & good productivity by minimizing their total drilling costs. Borehole drilling in water well & Blast holes in mines, quarries and civil construction are applications that will benefit the users less drilling costs thus enhancing their profits.

## 'LOTUS' BUTTON BITS

'LOTUS' DTH (down the hole) Button bit are available in different sizes ranging from 3" to 14" with all international shank designs to suit different application. To give peak penetration in water well drilling as well as blasting holes for mining / construction industry, 'LOTUS' Button Bits are made from the best of the alloy steel, machine to high precision and heat treated with most advanced **heat treatment Carburizing technology**. The carbide buttons are procured from leading reputed indigenous manufactures having the latest international in making tungsten carbide buttons. Quality and durability are essential requisites for all rock drilling tools and equipment, 'LOTUS' button bits are manufactured under strict quality control and by most skilled farce for proven and guaranteed satisfaction to the customer. 'LOTUS' Button Bit designs have been perfected from the most extensive rock drilling experience.

## QUALITY POLICY

'LOTUS' HAMMERS & 'LOTUS' BUTTON BITS are produced by choosing right raw material, high technology in machining and heat treatment facilities made available in-house under one roof, with stringent & vigilant quality control checks at every stage of manufacturing process. Thus it is ensured that every hammer & button bit that goes to warehouse/stock is perfect in quality & free of any defects.





## DTH HAMMERS HAMMERS WITH POPULAR INTERNATIONAL SHANK DESIGNS

HAMMER SIZE RANGE		3.5"	4"	4"	5"	6"	6"	8"	8"	10"
HAMMER MODEL AVAILABLE		Lotus: FDD_3.5	Lotus: FD_4	Lotus: FDD_34	Lotus: FDD_35	Lotus: FD_6	Lotus: FDD_36	Lotus: FD_8	Lotus: FDD_38	Lotus: FD_10
HAMMERS AVAILABLE WITH SHANK TYPE		DHD 3.5	SD 4	DHD 340	DHD 350	SD 6	DHD 360	SD 8	DHD 380	SD 10
HOLE DIA	MM	86 - 127	115 - 140	115 - 127	127 - 165	152-216	152-190	203-266	203 - 254	254-317.5
	INCH	3.5 - 5	4.5 - 5.5	4.5 - 5	5 - 6.5	6-8.5	6 - 7.5	8 - 10.5	8 - 10	10-12.5
HAMMER DIA	MM	78	92	92	117	138	138	173	180	225
	INCH	3.1	3.63	3.62	4.6	5.45	5.4	6.81	7.1	8.9
CYLINDER BORE	MM	58	66	68	91	112.5	108	136	148	184
	INCH	2.28	2.59	2.67	3.58	4.43	4.25	5.35	5.83	7.44
PISTON STROKE	MM	110	82	82	90	102	95	85	90	165
	INCH	4.33	3.23	3.23	3.54	4.2	3.74	3.34	3.54	4.5
PISTON WEIGHT	Kgs	3.0	10	8	16	24	22	31	29	64
	lb	6.6	22	17	35.2	52	50.50	68	63.8	141
HAMMER LENGTH WITHOUT BIT	MM	885	992	1040	1070	1257	1250	1194	1315	1388
	INCH	34.84	39.2	40.94	42.13	49.5	49.21	47	51.78	54.6
HAMMER LENGTH BIT EXTENDED	MM	945	1118	1118	1185	1408	1395	1451	1415	1597
	INCH	37.20	44	44	46.65	55.50	54.92	57.1	55.7	62.90
HAMMER LENGTH BIT RETRACTED	MM	920	1080	1080	1150	1370	1340	1410	1375	1556
	INCH	36.22	42.5	43.90	45.28	53.15	52.75	55.5	54.14	61.3
HAMMER WEIGHT WITHOUT BIT	Kg	28	36	40	65	101	108	156	178	315
	lb	62	81	88	143	223	238	345	391.6	693
WEIGHT OF BIT	Kg	4.5	12	10	16	28	26	42	41	108
	lb	9.90	26.4	22.00	35.2	62	57.2	92	90.2	238
SIZE OF BACKHEAD WRENCH	MM	65	65	65	85	102	102	150	150	-
	INCH	2.55	2.55	2.55	3.34	4.01	4.01	5.9	5.9	-
TOP SUB CONNECTION		2 3/8" API Reg PI OR	2 3/8" API Reg PIN	2 3/8" API Reg Pin	2 3/8" API Reg Pin	3 1/2" API REG PI	3 1/2" API REG PI	4 1/2" API REG PIN	4 1/2" API REG IN	6 5/8" API REG PIN
AIR FLOW CONSUMPTION		cfm	cfm	cfm	cfm	Cfm	cfm	cfm	cfm	cfm
100 PSI (6.8 Bars)		170	185	200	200					
150 PSI (10.3 Bars)		245	210	270	285	410	410	440	610	660
200PSI (13.8 Bars)		350	320	340	400	520	550	680	830	960
250PSI (17.2 Bars)			410	485	520	725	712	810	1070	1230
300PSI (20.7 Bars)					645	820	865	1080	1320	1510
350PSI (24.1 Bars)						1050	1050	1160	1450	1500

### 'LOTUS' MAKE T.C. BUTTON BITS OF DTH HAMMERS



S. NO	Button Bit Size Range	Hammers Suitable for	Bit Design
1	4"-7"	Panther / QL-40 / SD4	Flat Face, Drop Center, Bull Dog/ Concave
2	4"-6 1/2"	DHD 14/DH4/MAC 4/DHD 340/QL 40	"
3	6"-11"	DHD 16/Bison DHD 360/DHD 160 COP 62/QL 60/ MISSION 6	"
4	6"-10"	SD 6/ QL 16 / MACH 66	"
5	8"-20"	DHD17/SD8/LR8/DHD380/ QL 80	"



**BUTTON BITS FOR ALL TYPES OF HAMMERS:** we supply Button bits of all types & sizes for Leading International Brand models of hammers and also we can manufacture bits for any make of hammers with exact specifications and material property as per client's sample in any bulk or small quantity at very good prices.

**We undertake job works of all spare parts of DTH Hammers as per engineering drawings or physical samples provided by clients**