

## CORING TOOL

### Coring Tool

Coring tools are used for acquisition of the rock core in petroleum drilling. The coring tools can be applied to soft, moderate and rigid rock formations. Jereh Drilltech can supply core barrels and core bits in various sizes and types.

### Core Barrel

Core Barrel is a perfect tool in general coring operation. The tool is mainly used to obtain core in oil drilling well or in geological prospecting. Core Barrel Jereh Drilltech supplies are available to soft, medium, hard and mix stratum.



Core Barrel

#### Technical Specifications of Core Barrel

Core Barrel Type	JD-CB 3-1/2"x1-3/4" (89x45mm)	JD-CB 4-3/4"x2-5/8" (121-66mm)	JD-CB 5-1/4"x2-3/4" (133-70mm)	JD-CB 5-3/4"x3-1/2" (146-89mm)	JD-CB 6-3/4"x4" (172-101mm)	JD-CB 7-1/8"x4-1/8" (180-105mm)	JD-CB 8"x5-1/4" (203-133mm)
Length(mm)	4,600	9,200/18,400	9,200/18,400	9,200/18,400	9,200/18,400	9,200/18,400	9,200/18,400
Out Barrel, O.D.XI.D.(mm)	89×70	121×93	133×101	146×118	172×136	180×144	203×169
Inner Barrel O.D.XI.D. (mm)	60×52	85×72	89×76	108×94	121×108	127×112	159×140
Top Threads	2-3/8IF	3-1/2 IF	3-1/2 IF	3-1/2 IF	4-1/2 IF	4-1/2 IF	6-5/8 RRG
Bit Size (in)	4-1/8	5-7/8~6-1/2	5-7/8~6-1/2	6-1/2~7-7/8	7-1/2~9-5/8	8-1/2~9-5/8	12-1/4
Core Size (mm)	45	66	70	89	101	105	133

**Core Bit**

Core Bits are widely used with Core Barrels. Jereh Drilltech can supply various core bits in PDC type and TSP type.

Bit Description	stratum situation						
	Very Soft	Soft	Medium Soft	Medium	Medium Hard	Hard	Very Hard
Core Bit,8.5" to 800 m, PDC Type							
Core Bit,8.5" to 1500 m, TSP Type							
Core Bit,8.5" to 2500 m, TSP Type							

**Technical Specifications of Core Bit**

PDC Bit Size (in)	Primary Cutter Size (mm)	Gage Protection Length (in)	Quantity of Nozzles (pc)	Core Barrel Size (in)	IADC Code	Recommended parameters		
						Drilling Pressure (kN)	Rotary Rate (rpm)	Fluid Flow Rate(l/s)
4-3/4	13	1~2	6	4-1/8 x2-1/8	M332	9~30	40~100	6~16
6	13	1~2	6	4-3/4 x2-5/8		9~30	40~120	6~16
8-1/2	13	2~3	12	6-3/4 x4		23~50	40~150	11~20
12-1/4	13	2~3	12	8 x5-1/4		45~80	40~150	22~32
TSP Bit Size (in)	Primary Cutter Size (mm)	Gage Protection Length (in)	Flow Area	Core Barrel Size (in)	IADC Code	Recommended Parameters		
						Drilling Pressure (kN)	Rotary Rate (r/min)	Fluid Flow Rate(l/s)
5-7/8	7	1.0~2.0	0.10~1.00	4-3/4 x2-5/8	M723	20~60	40~80	6~13
8-1/2	7	2.0~3.0	0.15~1.50	6-3/4 x4		30~80	40~80	11~19
5-7/8	7	1.0~2.0	0.10~1.00	4-3/4 x2-5/8	M722	20~50	40~80	6~13
6	7	1.0~2.0	0.10~1.00	4-3/4 x2-5/8		20~50	40~80	6~13
8-1/2	7	2.0~3.0	0.15~1.50	6-3/4 x4		40~80	40~80	11~19

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