



Rotary Drilling Rig Tools Core Barrel With Roller Bits For Foundation Construction

Our Product Introduction

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Basic Information

- Place of Origin: Hunan
- Brand Name: Sunny
- Model Number: CTZ600
- Minimum Order Quantity: 1 set
- Price: 700
- Delivery Time: 20-35DAYS
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 10000 PCS PER DAY



Product Specification

- Highlight: Foundation Construction Core Barrel, Rotary Drilling Rig Tools Core Barrel, Core Barrel With Roller Bits



More Images



Product Description

Core Barrel with Roller Bits

A **core barrel with roller bits** is a specialized drilling tool used in geological exploration and engineering projects. It's designed to retrieve intact core samples from beneath the earth's surface for analysis.

Key components:

Core barrel: The main body of the tool, which houses the inner tube and outer tube.

Roller bits: The cutting elements at the bottom of the barrel, typically made of tungsten carbide or steel. They rotate and grind against the rock formation, creating a cylindrical hole.

Inner tube: A hollow tube that collects the core samples as they are cut.

Outer tube: A protective sleeve that surrounds the inner tube and prevents the core from being damaged.

CORE BARREL WITH BULLET TEETH TECHNICAL DATA

Drilling Dia mm	Shell Dia mm	Shell Length mm	Shell Thickness mm	Teeth Qty pcs	Weight kg
600	530	1200	16+30	6	500
700	620	1200	16+30	9	572
800	720	1200	16+30	9	660
1000	920	1200	16+30	12	810
1100	1020	1200	16+30	15	861
1200	1120	1200	16+30	15	1000
1300	1220	1200	16+30	15	1052
1400	1320	1200	16+30	18	1180
1500	1420	1200	20+30	18	1240
1600	1520	1200	20+30	21	1350
1700	1620	1000	20+40	24	1635
1800	1720	1000	20+40	24	1690
2000	1920	800	20+40	27	1770
2200	2120	800	20+40	30	1950
2500	2420	800	20+40	33	2450





2) Core Barrel with Roller Bits

Main Applications: Core Barrel with Roller Bits is used in very strong rock formations (compressive strength > 100 Mpa).

Features: Roller Bits are API Certificated, complete of bearing and carbide insert.

Forging Process

Welded Type or Replaceable Type

Sealed Bearing And Tungsten Carbide Insert

CORE BARREL WITH ROLLER BITS TECHNICAL DATA

Drilling Dia mm	Shell Dia mm	Shell Length mm	Shell Thickness mm	Teeth Qty pcs	Weight kg
600	520	1200	16+30	4	550
700	600	1200	16+30	4	612
800	700	1200	16+30	6	734
1000	900	1200	16+30	8	908
1100	1000	1200	16+30	8	1006
1200	1100	1200	16+30	8	1089
1300	1200	1200	16+30	10	1175
1400	1300	1200	16+30	12	1327
1500	1400	1200	16+30	12	1387
1600	1500	1200	16+30	14	1522
1700	1600	1000	20+40	16	1831
1800	1700	1000	20+40	16	1886
2000	1900	800	20+40	18	1991
2200	2100	800	20+40	18	2162

2500	2400	800	20+40	20	2687
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3) Cross Cutter Core Barrel

Main Applications: Cross Cutter Core Barrel is mainly used to break rock cores which remain in the borehole after using a core barrel, also suitable for drilling hard, jointed rock (< 100 Mpa) and for penetrating through layers containing boulders.

Features: Cutting ring with round shank chisels.

Chisels holders are welded to the base.

Central pipe reinforcement.

CROSS CUTTER CORE BARREL TECHNICAL DATA

Drilling Dia mm	Shell Dia mm	Shell Length mm	Shell Thickness mm	Teeth QTY pcs	Weight kg
600	650	1200	16	11	615
700	650	1200	16/20	19	678
800	700	1200	16/20	19	768
1000	900	1200	16/20	25	884
1200	1100	1200	16/20	39	1216
1300	1200	1200	16/20	39	1270
1500	1400	1200	16/20	46	1487
1600	1500	1200	16/20	49	1614
1700	1600	1000	20	56	1922
1800	1700	1000	20	56	1994
2000	1900	800	20	67	2090
2200	2100	800	20	74	2194
2500	2400	800	20	85	2817



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