

# Rock Drilling Bucket with Collar Plate

This rock drilling bucket is designed for drilling hard rock formations. It features a robust collar plate for enhanced stability and durability during drilling operations.



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## Product Overview

### Robust Rock Drilling Solutions

The SBSF-K Rock Type Drilling Buckets are precision-engineered for high-performance drilling in hard rock formations. Featuring an integrated collar plate for superior stability, these buckets are designed to maximize efficiency in rock fragmentation and soil removal. Available in three distinct power series to accommodate torques up to 35000 KN.m, they provide long-lasting durability for challenging geotechnical and construction environments.

## Technical Specifications

Diameter (mm)	Casing Specifications	Cylindrical (mm)	Bottom Thickness (mm)	Height (mm)		Teeth				
				H1	H2	SBS		SBSF-K		
				Wt	Wt	FZ	FZ	R	R	
530	620/540	12	40	1200	1470	600	4	4	6	12
600	750/670	12	40	1200	1470	670	4	4	6	12
700	880/800	16	40	1200	1470	750	6	6	8	16
780	880/800	16	40	1200	1470	970	6	6	8	16
900	1000/920	16	40	1200	1470	1050	8	8	10	22
1000	1180/1100	16	40	1200	1470	1130	8	8	10	22
1060	1180/1100	16	50	1200	1470	1250	8	8	10	24
1180	1300/1220	16	50	1200	1470	1750	12	12	10	28
1350	1500/1400	16	50	1200	1470	1870	14	14	10	28
1500	1650/1550	16	50	1000	1270	2450	16	16	10	34
1800	2000/1800	16	50	1000	1270	2780	20	20	18	42

Performance specifications for Series A drilling buckets.

Diameter (mm)	Casing Specifications	Cylindrical (mm)	Bottom Thickness (mm)	Height (mm)		Teeth				
				H1	H2	SBS		SBSF-K		
				Wt	Wt	FZ	FZ	R	R	
530	620/540	16	40	1200	1470	700	4	4	6	12
600	750/670	16	40	1200	1470	760	4	4	6	12
700	880/800	20	40	1200	1470	830	6	6	8	16
780	880/800	20	40	1200	1470	1070	6	6	8	16
900	1000/920	20	40	1200	1470	1150	8	8	10	22
1000	1180/1100	20	40	1200	1470	1230	8	8	10	22
1060	1180/1100	20	50	1200	1470	1370	8	8	10	24
1180	1300/1220	20	50	1200	1470	1820	12	12	10	28
1350	1500/1400	20	50	1200	1470	1990	14	14	10	28
1500	1650/1550	20	50	1000	1270	2650	16	16	10	34
1800	2000/1800	20	50	1000	1270	3370	20	20	18	42
2000	2200/2000	20	50	1000	1270	3980	24	24	26	50

Detailed dimensions and weight parameters for Series B equipment.

Diameter (mm)	Casing Specifications	Cylindrical (mm)	Bottom Thickness (mm)	Height (mm)		Teeth				
				H1	H2	SBS		SBSF-K		
				Wt	Wt	FZ	FZ	R	R	
530	620/540	20	40	1200	1470	770	4	4	6	12
600	750/670	20	40	1200	1470	860	4	4	6	12
700	880/800	25	40	1200	1470	1000	6	6	8	16
780	880/800	25	40	1200	1470	1270	6	6	8	16
900	1000/920	25	40	1200	1470	1370	8	8	10	22
1000	1180/1100	25	40	1200	1470	1460	8	8	10	22
1060	1180/1100	25	50	1200	1470	1600	8	8	10	24
1180	1300/1220	25	50	1200	1470	2140	12	12	10	28
1350	1500/1400	25	50	1200	1470	2300	14	14	10	28
1500	1650/1550	25	50	1000	1270	2960	16	16	10	34
1800	2000/1800	25	50	1000	1270	3700	20	20	18	42
2000	2200/2000	25	50	1000	1270	4750	24	24	26	50
2200	2400/2200	25	50	1000	1270	5570	28	28	34	62
2500	2800/2600	25	50	1000	1270	6500	36	36	46	74
3000	3300/3100	25	50	1000	1270	8650	42	42	56	90
3500	3800/3600	25	50	1000	1270	10700	48	48	74	96

Extended specifications for high-torque Series C applications.

### Diameter Range

**520 mm**

Minimum Diameter

**3500 mm**

Maximum Diameter

### Configuration Overview

Bucket Type	Application	Key Benefit
SBSL	Rock Drilling	Standard FZ teeth
SBSLF	Rock Drilling	Enhanced FZ teeth
SBSLF-K	Hard Rock	High performance R teeth

### Torque Series Availability

A Series (up to 12000 KN.m), B Series (12000-20000 KN.m), C Series (20000-35000 KN.m)

## Key Features

### Design Advantages

- Integrated collar plate for enhanced stability
- Specialized cutting tools for efficient fragmentation
- High-strength cylinder and bottom plate construction
- Versatile range for multiple torque requirements