

# Drilling Bucket with Cleaning Edge

Drilling buckets with cleaning edge are designed for efficient soil and rock drilling. The cleaning edge ensures effective removal of debris, optimizing drilling speed and efficiency.



## Overview

### High-Performance Drilling Buckets

The DBQK-L series drilling buckets with cleaning edges are engineered for professional soil and rock drilling in demanding construction and geotechnical environments. Featuring reinforced cutting edges and a specialized cleaning mechanism, these tools optimize debris removal to significantly enhance drilling speed and borehole stability. Available in three distinct series tailored to specific torque requirements, they provide a versatile solution for foundation work and large-scale piling projects.

## Series Classification

Diameter (mm)	Casing Specification	Cylinder Thickness (mm)	Bottom Thickness (mm)	Height (mm)		Weight (kg)			Teeth Configuration			
				h1	h2	12	12	K	R	DBQK-L		DBQK-L
										12	12	
520	G20/540	12	40	1200	1470	685	2	2	3	6		
600	750/670	12	40	1200	1470	780	2	2	3	6		
700	880/800	16	40	1200	1470	830	3	3	4	8		
780	880/800	16	40	1200	1470	1015	3	3	4	8		
900	1000/900	16	40	1200	1470	1165	4	4	5	11		
1000	1180/1100	16	40	1200	1470	1220	4	4	5	11		
1060	1180/1100	16	50	1200	1470	1300	4	4	5	12		
1180	1300/1220	16	50	1200	1470	1815	6	6	5	14		
1350	1500/1400	16	50	1200	1470	2315	7	7	5	14		
1500	1650/1550	16	50	1000	1270	2850	8	8	5	17		
1800	2000/1880	16	50	1000	1270	3450	10	10	9	21		

Series A configuration optimized for torques up to 12,000 KN.m.

Diameter (mm)	Casing Specification	Cylinder Thickness (mm)	Bottom Thickness (mm)	Height (mm)		Weight (kg)			Teeth Configuration			
				h1	h2	12	12	K	R	DBQK-L		DBQK-L
										12	12	
520	G20/540	16	40	1200	1470	760	2	2	3	6		
600	750/670	16	40	1200	1470	870	2	2	3	6		
700	880/800	20	40	1200	1470	920	3	3	4	8		
780	880/800	20	40	1200	1470	1120	3	3	4	8		
900	1000/900	20	40	1200	1470	1280	4	4	5	11		
1000	1180/1100	20	40	1200	1470	1350	4	4	5	11		
1060	1180/1100	20	50	1200	1470	1440	4	4	5	12		
1180	1300/1220	20	50	1200	1470	1940	6	6	5	14		
1350	1500/1400	20	50	1200	1470	2360	7	7	5	14		
1500	1650/1550	20	50	1200	1270	3040	8	8	5	17		
1800	2000/1880	20	50	1000	1270	3640	10	10	9	21		
2000	2300/2080	20	50	1000	1270	4600	12	12	13	25		

Series B configuration for medium-high torque requirements (12,000 - 20,000 KN.m).

Diameter (mm)	Casing Specification	Cylinder Thickness (mm)	Bottom Thickness (mm)	Height (mm)		Weight (kg)			Teeth Configuration			
				h1	h2	12	12	K	R	DBQK-L		DBQK-L
										12	12	
520	G20/540	20	50	1200	1470	820	2	2	3	6		
600	750/670	20	50	1200	1470	940	2	2	3	6		
700	880/800	25	50	1200	1470	1010	3	3	4	8		
780	880/800	25	50	1200	1470	1240	3	3	4	8		
900	1000/900	25	50	1200	1470	1340	4	4	5	11		
1000	1180/1100	25	50	1200	1470	1440	4	4	5	11		
1060	1180/1100	25	50	1200	1470	1540	4	4	5	12		
1180	1300/1220	25	50	1200	1470	2040	6	6	5	14		
1350	1500/1400	25	50	1200	1470	2460	7	7	5	14		
1500	1650/1550	25	50	1000	1270	3140	8	8	5	17		
1800	2000/1880	25	50	1000	1270	3740	10	10	9	21		
2000	2300/2080	25	50	1000	1270	4700	12	12	13	25		

Series C heavy-duty configuration for extreme torque applications up to 35,000 KN.m.

## Operational Torque Ranges

**12000 KN.m**  
Series A Max Torque

**20000 KN.m**  
Series B Max Torque

**35000 KN.m**  
Series C Max Torque

## Technical Specifications

### Dimension Ranges

Parameter	Minimum	Maximum
Diameter	520 mm	3500 mm
Cylinder Thickness	12 mm	25 mm
Bottom Thickness	40 mm	60 mm
Height (h1)	1000 mm	1200 mm
Height (h2)	1270 mm	1470 mm
Weight	685 kg	13755 kg

Maximum Teeth Configuration

53 pcs

## Tooling & Compatibility

### Compatible Drilling Systems

- DBLS
- DBLSF
- DBLSF-K
- SBLS
- SBLSF
- SBLSF-K

### Available Tooth Types

FZ Type, R Type, Cleaning Edge

## Application

### Ideal Applications

Rock Drilling • Soil Excavation • Piling Foundations • Geotechnical Engineering • Borehole Cleaning