

Main performances	Unit	Parameter	Remark
Slot			
Groove depth	m	35	
Groove width	mm	500-1200	
Working equipment			
Weight	t	2.5-9	
Max.closing force	t	128	
Open and close bucket time	s	5/8	
Max. bucket capacity	m ³	1.2	
Grapple rotation	°	0~180	
Main winch			
Lifting capacity	kN	235	
Wire rope diameter	mm	32	
Max.line speed	m/min	70	
Auxiliary winch			
Lifting capacity	kN	80	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
Mast angle			
Forward/backward	°	5/90	
Lateral	°	±3	
Main Chassis			
Base engine	/	6UZ1	ISUZU
Engine power	kW/rpm	257/2000	
Exhaust emission	/	China Stage III	
Engine displacement	L	9.84	
Width retracted/extended	mm	3200-4500	
Track shoe width	mm	800	
Swing radius	mm	4360	
Overall machine			
Overall height	mm	22870	
Operating weight	t	83	
Transport width	mm	3540	
Transport height	mm	3660	
Transport length	mm	16385	

Grab model /Slot width(mm)	bucket capacity(m ³)	Weight (kg)	No. of bucket teeth (left / right)
600	0.54	680	3/2
800	0.8	778	4/3
1000	0.98	840	5/4
1200	1.2	890	6/5

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2000	
Max. drilling depth	m	68/52	①

①: Friction kelly / inter-locking kelly

Kelly bar	Weight(kg)	Depth(m)	Option
Friction kelly □412×3×12	5813	32	
□412×3×13	6357	35	Standard

EXPERTISE IN BOTH GRAB AND PILING WORKS

SR235-DW is a pile equipment that integrates grab and rotary drilling construction methods. Featured with wide application scope, it can be used not only for round pile holes but also can realize pile wall construction.

Fast switch: modular design, overall disassembly and assembly, realize the rapid switching of rotary drilling and grabbing methods, and the control programs of two modes can realize one-click switching.

Flexible construction: the grab can achieve ±180° rotation, which can be used in restricted construction sites or pile walls in different directions.

High efficiency: the grab closure force is large, and the hard soil layer can be easily grabbed; the double pump confluence improves the line speed to enable fast construction.

High verticality: the overall machining of square drill pipe makes it more easy to control and the inner and outer pipes can perfectly match with each other; equipped with drill pipe guide and independent guide device, one-click auto adjusting function, ensure high verticality.

High reliability: the design of mast, boom mechanism, drill pipe and other structures are optimized; automatic welding production ensures higher strength and durability. Single-layer winding of wire rope can avoid rope disorder; automatic synchronous control of the reel pipe, can adjust the lifting force according to the drilling depth and the tension of the hose, and improve the service life of the hose.

Intelligent control: High-definition touch display, fast response speed and more convenient operation.

Convenient maintenance: the large cabin maintenance space provides more convenient maintenance; the dual-mode setting of construction and disassembly is set, and the maintenance of the reel pipe device is more convenient.

