

Product Detail Brochure

We focus on high standards and independent core design adhere to quality and continuous innovation as our product concept

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Xuzhou Rainbow Machinery and Equipment Co., Ltd.

ABOUT US

Xuzhou Rainbow Machinery Equipment Co., Ltd. is located in Xuzhou, China's core construction machinery base. Founded in 2011 with over 15 years of production experience, the company is a professional OEM/ODM manufacturer specializing in the R&D, production, and sales of excavator attachments, loader attachments, and skid steer loader attachments.

Our facilities cover a total area of 10,000 square meters, equipped with laser cutting machines, plate rolling machines, bending machines, boring machines, machining centers, and five robotic welding lines. The monthly production capacity reaches 30 containers, with an annual export value exceeding USD 7 million.

We have an experienced team of engineers and technicians who can customize products according to customer requirements and international standards. Every exported product undergoes strict quality inspection, and we provide comprehensive after-sales service. Over the years, relying on reliable product quality and high cost-effectiveness, the company has earned the trust and support of its customers. Our products are exported to dozens of countries and regions, including Europe, Australia, Russia, and the Americas, and are highly recognized by customers worldwide.



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ADVANTAGES

Precision Welding

Dimensional tolerance

±2 mm

Suitable for mass

Case: Mass production of heavy-duty buckets for a major UK distributor



S Series

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S Series Grading Buckets					
S-Size	Machine Weight (T)	Width (mm)	Capacity(L)	Weight Range(kg)	Pin Diameter (mm)
S30	1-4 T	700 - 1000	40 - 100	40 - 75	25-35
S40	1-6 T	900 - 1300	90 - 300	70 - 195	30-45
S45	5-12 T	1300 - 1524	300 - 450	210 - 365	45-60
S50	5-13 T	1219 - 1524	340 - 550	250 - 415	45-60
S60	11-20 T	1219 - 1829	410 - 1020	358 - 970	60-80
S70	15-26 T	1524 - 1900	730 - 1280	710 - 1190	60-80
S80	25-43 T	1300 - 2000	1100 - 1530	1140 - 1600	70-110

S Series Standard Digging Bucket					
S-Size	Machine Weight (T)	Width (mm)	Capacity(L)	Weight Range(kg)	Pin Diameter (mm)
S30	1-4 T	400 - 1000	30 - 100	30 - 75	25-35
S40	1-6 T	900 - 1300	90 - 300	70 - 195	30-45
S45	5-12 T	1300 - 1524	300 - 450	210 - 365	45-60
S50	5-13 T	1219 - 1524	340 - 550	250 - 415	45-60
S60	11-20 T	1219 - 1829	410 - 1020	358 - 970	60-80
S70	15-26 T	1524 - 1900	730 - 1280	710 - 1190	60-80
S80	25-43 T	1300 - 2000	1100 - 1530	1140 - 1600	70-110



S Series Skeleton Bucket					
S-Size	Machine Weight (T)	Width (mm)	Capacity(L)	Weight Range(kg)	Sorting Gap (mm)
S30	1-2 T	500	60	50	41
S40	3-5 T	600	130	85	41
S45	5-12 T	1000	370	300	63
S50	5-12 T	800 - 1000	160 - 370	170 - 300	63
S60	12-20 T	1300	620	530	63

MS Series

The MS Series is a professional quick coupler connection standard for excavators, originally developed by a leading German manufacturer. Featuring an asymmetric single-pin design, this system is specifically engineered for small to medium-sized excavators, serving as a cost-effective complement to the S Series standard.

Model	Machine Weight (ton)	Pin Center Distance (mm)	Bracket Width (mm)	Inner Width (mm)	Pin Diameter (mm)	Coupler Weight (kg)	Width (mm)	Capacity (m³/L)	Bucket Weight (kg)
MS01	0.7-2T	90	95	100	25	20	200-600	0.05-0.25 m³	30-120
MS03	2-6T	215	136	140	40	36-40	300-800	0.15-0.6 m³	100-350
MS06	6-12T	300	290	300	60	75	800-1600	0.5-1.2 m³	500-600
MS10	10-19T	475	550	560	60	120-150	1000-1800	0.8-1.5 m³	400-700
MS21	18-28T	475	550	560	60	180-220	1200-2000	1.0-2.0 m³	500-800
MS25	26-40T	500	600	610	65	250-300	1200-2200	1.2-2.5 m³	900-1300



CW Series

The CW Series is a globally recognized quick coupler connection standard for excavators, originally developed by Caterpillar based on the pioneering design from Belgium's Verachttert. Featuring an asymmetric single-pin structure, this system is widely adopted in the Netherlands, Belgium, and

Model	Machine Weight (ton)	Pin Center Distance (mm)	Bracket Width (mm)	Inner Width (mm)	Pin Diameter (mm)	Bracket Width (mm)	Bucket Capacity (m³/L)	Bucket Weight (kg)
CW05	3-4T	200	175	180	40	200-400	0.05-0.25 m³	30-120
CW10	4-9T	300	310	320	50	400-1200	0.15-0.6 m³	100-350
CW20	10-15T	475	550	560	60	800-1600	0.5-1.2 m³	500-600
CW20B	10-15T	475	420	430	60	800-1400	0.4-1.0 m³	280-550
CW30	15-21T	475	550	560	60	1000-1800	0.8-1.5 m³	400-700
CW30B	15-21T	475	420	430	60	1000-1600	0.7-1.3 m³	380-650
CW40	20-30T	475	550	560	60	1200-2000	1.0-2.0 m³	500-800
CW40B	20-30T	475	420	430	60	1200-1800	0.9-1.6 m³	480-750
CW45B	25-35T	500	450	460	65	1000-1600	1.2-1.6 m³	900-1300



Special Featured Products

Kubota Style Quick Attach

Tonnage	Excavator model	Width of Ear (mm)
2T	KX041 KX018 U17	171
3T	U25 U27	190
4T	KX040 KX71/	222
6T	Kubota U55 KX057 KX191	235
8T	KX080	313



John Deere Wedge Lock Attach

Tonnage	Excavator model	Width of Ear (mm)
2T	John Deere 17G 17P	170
4T	John Deere 26G 27C 35C 35G	202
6T	John Deere 50D 50G 60D 60G	231



Bobcat X-Change Attach

Tonnage	Excavator model	Width of Ear (mm)
3T/6T	Bobcat xchange	210

Bucket Series

Digging Bucket Parameters			
Product	Width(mm)	Pin(mm)	Unit Weight(kg)
JT Digging bucket	12"	35	58
	18"	70	78
	24"	35/40mm	83
	30"		92
	36"		106
ST Digging bucket	12"		94
	18"		112
	24"	45mm	132
	30"		152
	36"		170
BT Digging bucket	12"		145
	18"		210
	24"	50mm	240
	30"		275
	36"		263
LST Digging bucket	12"		597
	18"		385
	24"	65mm	490
	30"		500
	42"		550
20T Digging bucket	12"		427
	18"		491
	24"	80mm	555
	30"		620
	36"		684
	48"		812
	60"		940



Rock Bucket Parameters			
Tonnage(T)	Width (mm)	Volume(m³)	Rock Bucket Weight(kg)
19-20T	1300	1.09	1145
	1300	1.20	1194
	1400	1.32	1242
	1500	1.44	1290
	1300	1.27	1440
27-37T	1400	1.40	1500
	1500	1.54	1558
	1600	1.67	1609
	1700	1.81	1700
	1700	2.15	2112
38-47T	1800	2.31	2185
	1900	2.52	2248
	1800	2.53	2658
	1900	2.71	2728
	2000	2.90	2818
48-55T	2100	3.09	2953
	2200	3.27	3045

Skeleton Bucket/Sieve Bucket/Riddle Bucket Parameters					
Tonnage(T)	Width(mm)	Mark	Pin (mm)	Weight(kg)	
3.5T-4T	1200	With Teeth	40	185	
JT	1200	With Teeth	45	200	
ET	1200	With Teeth	50	435	
13T	1200	With Teeth	65	565	
13T	1200	With Teeth	65	690	
13T	1200	With Teeth	65	790	
20T	1800	With Teeth	80	1280	
20T	1800	With Teeth	80	1300	
20T	1800	With Teeth	90	2200	
20T	2000	With Teeth	90	1960	
20T	2000	With Teeth	100	2100	
3.5T-4T	1000	With BOB	40	115	
3.5T-4T	1200	With BOB	40	195	
JT	1200	With BOB	45	205	
ET	1200	With BOB	50	415	
13T	1200	With BOB	65	475	
20T	1800	With BOB	80	1170	



Bucket Series



Tilt Bucket Parameters			
Excavator Weight	Width (mm)	Capacity (m³)	Weight (kg)
2-4 T	1200	0.18	176
	1500	0.22	198
4-6 T	1200	0.22	220
	1500	0.28	280
6-11 T	1500	0.36	428
	1800	0.44	478
11-14 T	1500	0.55	785
	2000	0.64	848
14-18 T	1500	0.63	705
	1800	0.57	817
18-25 T	1800	0.80	753
	2000	0.93	818
25-29 T	1800	1.31	923
	2100	1.22	919



V-Bucket Product Parameters		
Applicable Excavator Ton (T)	Width & Angle	Weight (kg)
1.3-1.8T	60° 200mm	46
1.9-2.8T	52° 200mm	46
	60° 250mm	58
2.9-4T	52° 250mm	58
	60° 300mm	84
4.1-5.5T	60° 300mm	136
5.6-7.5T	60° 300mm	194
7.6-10T	52° 300mm	186
	60° 300mm	287



Rake Bucket Parameters			
Tonnage (T)	Pin Diameter (mm)	Width(mm)	Weight(kg)
1.5-2.5T	35	1000	135
3-4.5T	35	1000	165
5-6.5T	40	1200	200
7-8.5T	40	1200	240
9-10.5T	50	1200	280
12-14T	60	1800	750
15-17T	60	1800	830
20T	80	2100	850



Mud Bucket Parameters			
Product	Width(mm)	Mark	Weight(kg)
3T Ditching bucket	48"	with bolt on blade	115
4T	48"	without bolt on blade	90
5T Ditching bucket	60"	with bolt on blade	193
6T	60"	without bolt on blade	156
7T	72"	with bolt on blade	305
8T Ditching bucket	72"	without bolt on blade	265
13T	72"	with bolt on blade	469
13T Ditching bucket	72"	without bolt on blade	400
20T Ditching bucket	84"	with bolt on blade	1120
24T	84"	without bolt on blade	1055
35T Ditching bucket	96"	with bolt on blade	2150

Auger Series



Auger Drill

Connection Frame

Auger Drive



Auger Drive Unit Technical Parameter Table													
Parameter	Unit	RB 2000	RB2500	RB3500	RB4500	RB5000	RB5500	RB7000	RB8000	RB12000	RB15000	RB 20000	
Applicable Weight	T	1-2.5	1.5-3	2.5-4.5	3-5	4.5-7	5-7	7-10	8-12	13-17	13-17	13-20	
Max Torque	N.m	≤1871	≤2432	≤3614	≤4499	≤5056	≤5910	≤6931	≤8152	≤11976	≤15046	≤19560	
Operating Pressure	Bar	205	205	240	240	240	240	240	240	240	240	240	
Operating Oil Flow	l/min	23-53	30-61	30-68	38-76	38-76	45-83	61-121	61-136	70-150	80-170	80-170	
Rotation Speed	Rpm	40-92	40-82	32-72	32-64	29-58	28-50	37-72	29-64	22-48	20-43	16-33	
Oil Pipe	Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1	1	1	
Output Shaft	mm	Φ65	Φ65	Φ65	Φ65	Φ75	Φ75	Φ75	Φ75	Φ75	Φ75	Φ75	
Unit Weight	Kg	54	54	71	71	108	108	112	115	167	167	270	
Unit Height	mm	595	595	700	700	780	780	850	850	930	930	1150	
Unit Diameter	mm	200	200	244	244	269	269	269	269	290	290	345	
Connection Bracket Options													
Single-axis, Dual-axis, Dual-axis anti-swing connection bracket													
Drill Rod Model	mm	S4	S4	S4	S4	S5	S5	S5	S5	S6	S6	S6	
Drill Rod Length	mm	1200	1200	1200	1200	1500	1500	1500	1500	1750	1750	1750	
Drill Rod Diameter	mm	100-400	100-500	100-750	100-900	150-600	150-750	150-900	150-900	150-900	150-1200	150-1200	

Sweeper Brush Series

sweeper brush attachments			
No	Dimensions: Width × Length (mm)	Brush Quantity	Total Product Weight (kg)
1	300*900mm	6 rows, total 18 brushes	87
2	450*900mm	8 rows, total 24 brushes	96
3	450*1200mm	8 rows, total 32 brushes	134
4	500*1200mm	10 rows, total 40 brushes	150
5	500*1500mm	10 rows, total 50 brushes	192
6	500*1800mm	10 rows, total 60 brushes	218
7	500*2100mm	10 rows, total 70 brushes	240
8	500*2400mm	10 rows, total 80 brushes	270



Multi-Application Sweeping Brush for Excavators and Forklifts



Specialized Sweeping Brush for Excavator Applications



Specialized Sweeping Brush for Forklift Applications



Ripper

Ripper Parameters			
Applicable Excavator Ton (T)	Ripper Weight (kg)	Pin Diameter (mm)	Reference Connection Dimension
3T	45-60	40	40*120*160
5T	80-100	45	45*170*230
8T	120-140	50	50*220*310
14T	300-320	60	60*370*540
20T	430-460	80	80*530*660
30T	840-890	90	90*630*835
36T	900-930	100	100*625*985



Thumb Bucket



No	Product type	Model	Tonnage(T)	Weight(kg)
1	Hydraulic thumb	THK-100	1-2T	42
2		THK-200	2-4T	74
3		THK-300	4-6T	125
4		THK-400	7-10T	186
5		THK-500	12-16T	333
6		THK-600	18-25T	526



No	Product type	Model	Tonnage(T)	Weight(kg)
1	Mechanical thumb	TMK-100	1-2T	40
2		TMK-200	2-4T	70
3		TMK-300	4-6T	120
4		TMK-400	7-10T	180

Hydraulic Grab Series



Hydraulic Grapple				
No.	Suitable Tonnage	pin(mm)	Connection Size (mm)	Weight (kg)
1	1.7T	30	30*120*139	110
2	3T	40	40*140*172	170
3	4T	40	40*155*190	215
4	5T	45	45*175*250	295
5	5-6.5T	45	45*180*230	295
6	8T	60	60*205*300	420
7	14T	65	65*270*380	740
8	20T	80		1065
9	50T	110		3500

Grapple Series

Rock Grapple Parameters						
Model	Unit	RBG Mini	RBG-02	RBG-04	RBG-06	RBG-08
Cylinder	Bar	250	300	350	350	350
	Liters/min	6-13	10-20	15-30	30-65	40-80
	Safety valve	N	N	N	Y	Y
360° Rotation	Bar	250	100	100	140	140
	Liters/min	6-9	8-12	8-12	12-20	12-20
	Tr/min	10-15	10-15	10-15	10-15	10-15
Force	N	10000	19000	25000	40000	50000
	A mm	750	1180	1290	1710	1845
	B mm	570	850	960	1245	1375
C mm	720	840	910	905	1000	
	D mm	730	850	930	1080	1100
	L mm	330	460	550	800	900
Capacity	L	77	105	147	395	470



Log Grapple Parameters					
Model	Unit	RB100	RB120	RB140	RB170 RB200
Weight (without Motor)	Kg	69	82	139	260 365
Weight (with Motor)	Kg	89	107	169	312 435
Working Pressure	Bar	210	210	210	210 210
Maximum Load	Kg	1500	2000	3000	5000 5000
Maximum Clamping Force	KN	9.5	12	14	17 21
Rotation Motor	Model	30F	40F	50F	60F 100F
Oil Pipe	inch	3/8	3/8	3/8	1/2 1/2

Compaction Wheel

No	Product Description	Connection Size(mm)	Weight(kg)
1	4T Compaction Wheel	40*155*190	250
2	5T Compaction Wheel	45*165*250	325
3	8T Compaction Wheel	50*210*305	340
4	14T Compaction Wheel	65*270*380	643
5	25T Compaction Wheel	80*340*460	1340
6	30T Compaction Wheel	90*360*535	1700
9	36T compaction wheel	90*350*512	1700
10	50T compaction wheel		2200



Fork

Fork Attachments Parameters				
Fork type	Suitable excavator tonnage	Fork load capacity	Fork length	Total Weight(kg)
Excavator Fork	3-5T	1.5T	1000mm	230
	6-8T	2T	1200mm	330
	9-12T	2.5T	1200mm	370
	13T	2T	1200mm	350
	15T	2.5T	1200mm	380
	13T	3T	1500mm	400
Skid Steer Forks		1.5T	1200mm	210
		2T	1200mm	220
Loader floating Forks		5T	1.5T	1200mm 242
		8T	2T	1200mm 252
		14-20T	2.5T	1200mm 394



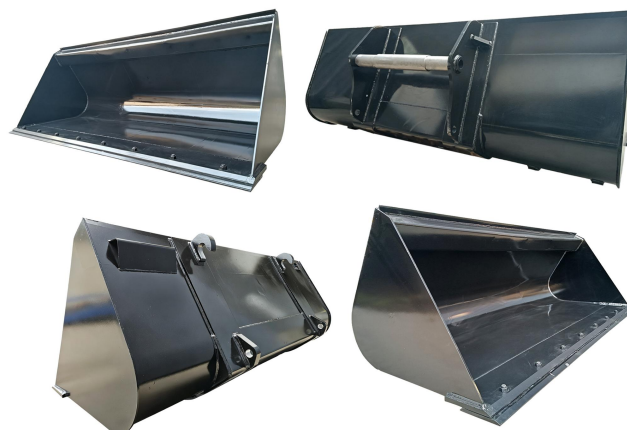
Quick Hitch

Double Lock Quick Hitch Parameters											
Category	Unit	RB-00	RB-01	RB-02	RB-04	RB-06	RB-08	RB-10	RB-14	RB-17	RB-20
Length	mm	365-380	440-460	520-542	581-610	760	920-951	950-1000	965-1100	980-1105	1100-1120
Width	mm	205-220	235-249	260-266	285-283	351-454	450-483	445-493	543-572	550-600	602-666
Height	mm	260-270	260-270	315	318	400	512	515-540	585	550-600	590-615
Arm Open Width	mm	85-120	125-140	145-200	165-200	220-260	305-333	325-410	345-410	385-440	380-480
Pin Center Distance	mm	90-120	180-210	225-310	230-310	365-410	440-490	460-490	500-540	550-580	550-630
Pin Diameter	mm	25-30	35-40	40-45	45-55	60-65	70-80	90	90-100	100-110	110-120
Cylinder Stroke	mm	90-120	180-210	200-300	300-350	340-440	420-510	450-530	460-560	510-580	500-650
Vertical Pin Center Distance	mm	185-190	185-190	200-210	205-220	240-253	300	320	350-370	370-380	370-380
Weight	kg	25-40	35-44	50-75	80-110	170-210	370-410	410-520	550-750	550-750	1300-1500
Working Pressure	bar	30-400	30-400	30-400	30-400	30-400	30-400	30-400	30-400	30-400	30-400
Necessary Flow	l/min	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
Suitable Excavator	ton	0.8-2.2	2.5-4	4-7	6-9	10-15	18-23	23-28	26-30	30-40	40-50



Loader Bucket Series

Products Name	Main Product Features	Model	Bucket Capacity (CBM)	Width (inch)	Weight(kg)
Telespinner Bucket (for Manitou / JCB) MANITOU and JCB Telespinner Bucket	This bucket is specially designed as a matching attachment for Manitou and JCB telespinders. It is used for loading, transporting, stacking and hauling bulk materials including sand, gravel, soil, grain, farm crops, construction waste and	MANITOU and JCB	0.8 m³	90"	3400kg
			1 m³	90"	3900kg
			1.2 m³	90"	4250kg
			1.5 m³	90"	4800kg
			2.5 m³	90"	7150kg



Hydraulic Breaker



Hydraulic Breaker Parameters									
Model	Size(mm)	Applicable Excavator (Weight)(kg)	Max. Fuel Tank (kg)	Operating Pressure(Mpa)	Oil Flow (l/min)	Max. Impact Force (kg)	Impact Frequency (times/min)	Impact Distance (mm)	Impact Angle (°)
SB10	1200*200*210	0.8-2.5	15	13	95-120	15-30	12	40	800-1400
SB12	1350*200*210	1.3-3	20	15	95-120	20-30	12	40	700-1300
SB14	1450*200*210	2.1-4.5	30	18	95-120	25-30	12	40	600-1100
SB16	1600*200*210	4-7	40	20	100-120	40-50	12	40	500-800
SB18	1700*200*210	6-9	50	22	100-120	50-60	12	40	400-800
SB19	1800*200*210	7-14	60	25	100-120	60-80	12	40	400-800
SB20	2000*200*210	10-15	80	30	100-120	80-110	12	40	350-700
SB22	2200*200*210	15-18	100	35	100-120	100-110	1	120	350-650
SB23	2400*200*210	18-28	120	40	100-120	120-130	1	120	350-650
SB24	2600*200*210	28-38	150	45	100-120	150-160	1	140	350-650
SB25	2800*200*210	38-48	180	50	100-120	180-190	1	140	350-650

Hydraulic Vibratory Rammer

Hydraulic Vibratory Rammer Parameters						
Model	Unit	HVR-01	HVR-02	HVR-03	HVR-04	HVR-05
Suitable carrier	ton	3-4	5-9	10-17	18-24	25-32
Impact force	ton	3	4	6.5	15	15
Max.Number for Vibration	rpm	2000	2000	2000	2000	2000
Oil flow	l/min	30-40	45-75	85-105	120-170	120-170
Pressure	Kg/cm ²	100-130	110-140	150-170	160-180	160-180
Weight	Kg	200	300	600	850	900
Impact size (LxW)	mm	590*330	900*550	1160*700	1250*900	1250*900
Total height	mm	435	730	900	1000	1050
Total width	mm	442	550	700	900	900



Loader Bucket Series

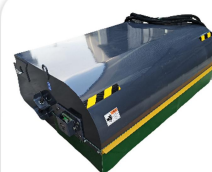
Model	Bucket Capacity (CBM)	Width (inch)	Weight(kg)
Grading Bucket	1.6 m³	95"	644kg
	1.7 m³	98"	663kg
	1.8 m³	102"	682kg
	1.9 m³	106"	701kg



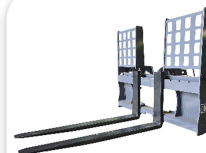
Skid Steer Attachment Series



4 in 1 Bucket



Enclosed Sweeper



Loader Fork



Bevel angle sweeper



Loader Bucket



Snow Plow



Loader Bucket with teeth



Tree Digger



Snow Blower

Model	Bucket Capacity (CBM)	Width (inch)	Weight(kg)
Skid Steer Bucket	0.4 m³	48"	215kg
	0.45 m³	55"	230kg
	0.5 m³	60"	245kg
	0.55 m³	66"	260kg
	0.6 m³	72"	280kg
	0.65 m³	78"	300kg
	0.7 m³	84"	320kg



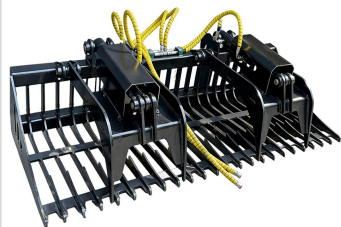
Model	Bucket Capacity (CBM)	Width (inch)	Weight(kg)
Skid steer skeleton rock bucket	0.45 m³	55"	248kg
	0.5 m³	60"	258kg
	0.55 m³	66"	285kg
	0.6 m³	72"	297kg
	0.65 m³	78"	327kg



Our Skid Steer Attachment Series is specially engineered for skid steer loaders, suitable for construction, landscaping, industrial, and agricultural operations. It is widely applied to site cleaning, material handling, ground leveling, vegetation trimming, snow removal and small-scale earthwork, effectively improving operation efficiency for various on-site works.

Farm / Agricultural Attachment Series

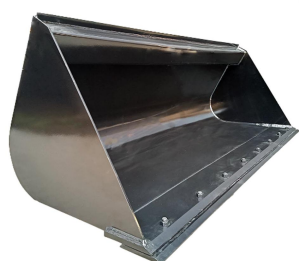
Our Farm/Agricultural Attachment Series is specially designed for agricultural & farmland operation scenarios, compatible with excavators, skid steer loaders and other construction machinery. Ideal for land leveling, ditch digging, straw removal, orchard finishing, farm road maintenance and various farmland improvement works, it effectively improves agricultural operation efficiency and reduces manual labor intensity.



Grapple Bucket



Agricultural Bucket



Loader Bucket



Multifunctional Grab

Usage scenarios

