



**JUXIANG
MACHINERY
COMPANY**

**PRODUCT
MANUAL**



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**CUSTOMER-ORIENTED TO
CREATE VALUE FOR CUSTOMERS**

COMPANY INFORMATION

Yantai Juxiang Construction Machinery Co., Ltd. is one of the largest excavator accessory design and manufacturing enterprises in China. With the leading industry, with unique patented technology as the support of the core technology system. Our business covers the research, development and manufacturing of hydraulic pile hammer excavator special arm customized excavator accessories, providing customers with competitive, safe and reliable products, services and systematic solutions.

The main products produced include: hydraulic pile hammer, ptype quick hitch coupler, hydraulic pulverizer, double cylinders hydraulic shear, vehicle scrapping shear, scrapped vehicles, multi grabs, log grapple, hydraulic orange peel grapple, hydraulic compactor plate, crusher bucket, ripper.

With decades of technical accumulation, advanced manufacturing equipment production line and abundant engineering practice cases, Juxiang Machinery has the excellent ability to provide customers with systematic and integrated engineering equipment solutions. Has passed ISO9001 quality management system certification, CE EU quality management system certification, is a reliable engineering equipment solution provider.

Juxiang machinery has developed and established perfect product varieties and models, with excellent quality, novel and practical design, excellent reliability, to win the favor of our customers.



MANUFACTURING EQUIPMENT



Five-sided Gantry Machining Center



Jet's Constant Temperature Machining Center



Three-coordinate Measuring Instrument



Welding Robot



Large Double-column Milling and Boring Machining Center

RESEARCH AND DEVELOPMENT



QUALIFICATION HONOR



HEAVY-DUTY HYDRAULIC SHEARS

Auxiliary arm

Customize design is available

Positive and negative
180 Rotation disc

Gear box

Elastomer

Main Clamp



90 Rotation arm

Jaws

APPLICATION CASE



PRODUCT FEATURES

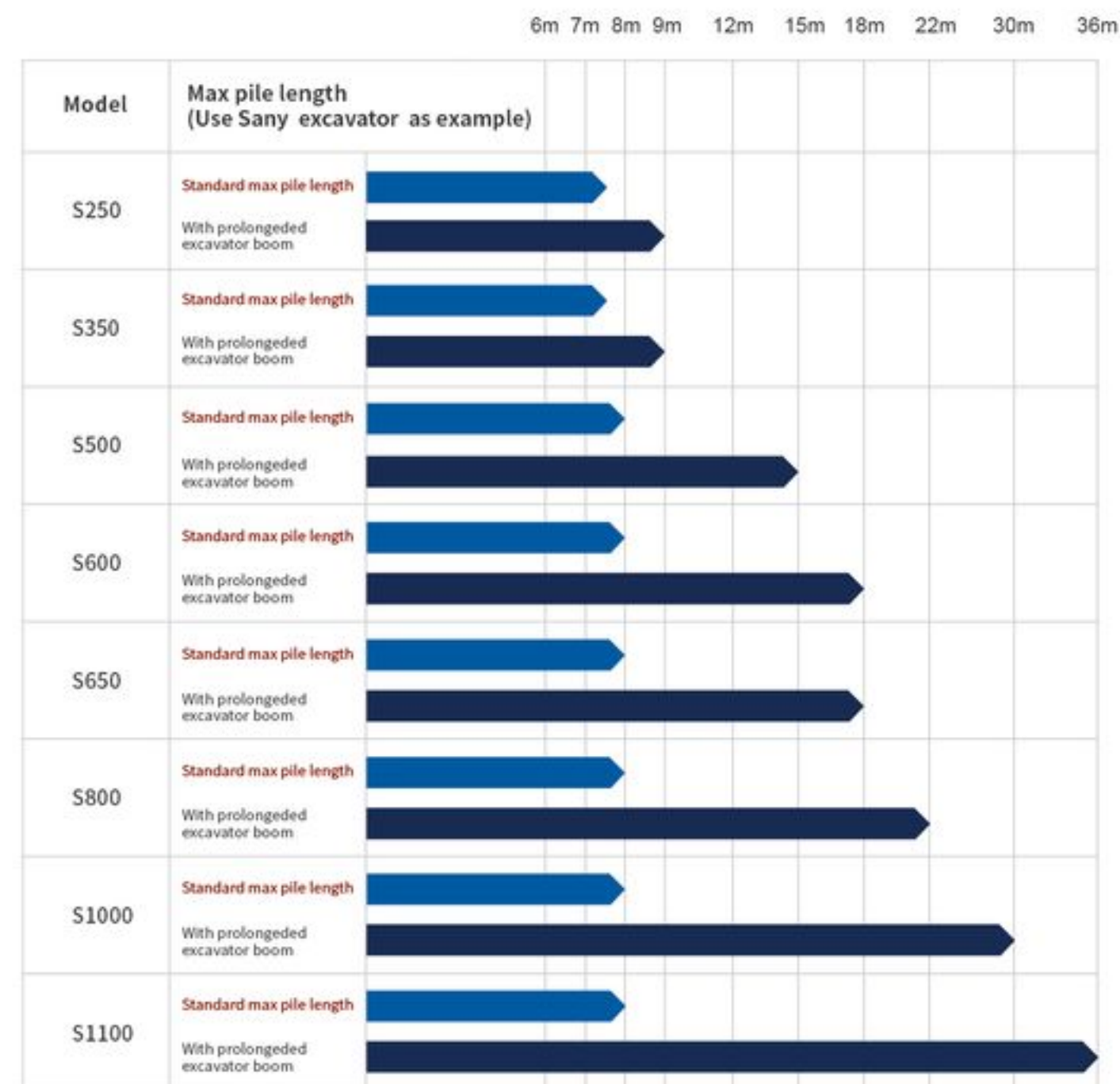
1. The hydraulic rotary motor and gear are built-in, which can effectively avoid oil pollution and collision. The gears are convenient for replacement, closely matched, stable and durable.
2. The box adopts an open structure to ensure pressure balance and stable heat discharge in the box.
3. It adopts high performance imported damping rubber block, which has stable quality and long service life.
4. It uses original imported hydraulic motor, which is stable in efficiency and outstanding in quality.
5. The tong cylinder has strong thrust and keeps the pressure. It is stable and reliable to ensure that the pile body is not loose and guarantee the construction safety.
6. The tong is made of imported wear-resistant sheet with stable performance and long service cycle.

TECHNICAL PARAMETERS

Model	S250	S350	S500	S600	S650	S800	S1000	S1100
Vibration Frequency (rpm)	3200	3000	2800	2800	2700	2400	2300	2300
Eccentricity Moment Torque (nm)	22	36	52	70	83.5	126	175	180
Rated excitation force (kn)	250	360	450	600	650	800	1050	1100
Hydraulic system pressure (mpa)	32	32	32	32	32	32	32	32
Hydraulic system flow rating (rpm)	105	250	240	315	310	310	380	380
Maximum pile length (m)	6-9	6-9	6-15	6-18	6-18	6-22	6-30	6-36
The auxiliary arm weight (kg)	700	800	800	900	900	1000	1000	1000
Total Weight (kg)	1250	1750	2750	3200	3200	3600	3300	4200
Suitable Excavator (ton)	15-20	18-25	27-37	36-50	42-50	50-70	70-90	70-90



APPLICABLE SHEET PILE LENGTH



The elongated arm can be customized according to customer requirements.

SIDE CLIP PILE HAMMER

Rototilt

Smart Rototilt with tilt function, easy for picking up setting the piles

Gear box

High precision gearbox ensures New heat dissipation patent long-term and stable operation

Main Clamp

Integrated piston clamping nozzle oil cylinder powerful, pressure maintaining, stable and reliable



Elastomer

Imported customized ensures its service life

Side grip

Easy changeable jaws depend on the working condition

Jaws

Imported wear-resistant plate CNC one-time molding excellent material solid and wear-resistant

TECHNICAL PARAMETERS

Model	S350—D(PH08—D)	S500—D (PH10—D)
Vibration Frequency (rpm)	2800	2800
Eccentricity Moment Torque (nm)	40	50
Exciting Force (ton)	36	45
Mean Machine Weight (kg)	2600	3100
Operating Pressure of Hydraulic System (bar)	280	320
Flow Demand of Hydraulic System (lpm)	220	250
Suitable Excavator (ton)	18-25	35-45

APPLICABLE SHEET PILE LENGTH

		6m	7m	8m	9m	12m	15m
Model	Max pile length (Use Sany excavator as example)						
S350	Standard max pile length						
	With prolonged excavator boom						
S500	Standard max pile length						
	With prolonged excavator boom						

Clamp could be made as custom design.

DOUBLE CYLINDER HYDRAULIC SHEAR

Hydraulic motor drive rotary support to achieve rotary frame rotation, double cylinders reciprocating drive shear body tensioning, cutting and breaking steel and concrete.

Structure optimization, taking into account opening size and disassembling crushing force, high strength, large shear force.



TECHNICAL PARAMETERS

Scrap Steel							Concrete					
Model	Unit	HS048	HS058	HS088	HS108	HS148	HS01C	HS04A	HS06A	HS08A	HS10A	HS14A
Dead-weight	kg	630	1500	2300	2977	4052	280	630	1500	2300	3300	4200
Max Opening	mm	335.5	540	500	660	801	337	540	630	950	1100	1200
Height	mm	1521	2050	2380	2600	2700	1201	1419	1951	2374	2480	2700
Width	mm	864	1175	1370	1600	1700	365	884	1175	1360	1540	1700
The Active Length of Blade	mm	286	348	485	578	736	100	100	130	180	240	240
Rotation Mode		360°Ball Colliding Rotation		360°Hydraulic			360° Machine	360°Ball Colliding Rotation	360°Hydraulic			
Pressure	bar	235	300	320	320	320	170	235	300	320	320	320
Root Crushing Force	kn	810	1380	1710	3300	3870	300	810	1200	1680	2880	3750
Middle Crushing Force	kn	500	800	1020	1890	2180	150	445	660	780	1250	1740
Fore-end Crushing Force	kn	320	530	750	1270	1470	90	250	400	560	900	1180
Suitable Excavator	ton	5-8	15-18	20-25	28-35	38-50	1.5-3	5-8	15-18	20-25	28-35	38-50

APPLICATION CASE



PRODUCT FEATURES

- 1.The adoption of special revolving support provides stable performance.
2. The shear uses imported HARDOX400 steel material, with double-layer wear-resisting protection,high strength and long service life.
3. It is suitable for the concrete construction that will be crushed.

HYDRAULIC SHEAR



TECHNICAL PARAMETERS

Model	Unit	VS06A	VS08C
Dead-weight	kg	1300	1900
Max Opening	mm	559	630
Length	mm	2012	2475
Width	mm	665	740
Rotation Mode		360°Hydraulic	360°Hydraulic
Pressure	bar	300	320
Root Shear Force	kn	1370	1500
Middle Shear Force	kn	500	1060
Fore-end Clamping Force	kn	290	560
Suitable Excavator	ton	12-18	18-26

SCRAP SHEAR



TECHNICAL PARAMETERS

Model	Unit	SS08A	SS10D
Weight	kg	2200	3397
Max Opening	mm	456	572
End Shear Force	kn	810	1162
Middle Shear Force	kn	1412	2185
Max Shear Force	kn	3327	5325
Drive Oil Pressure	bar	320	32
Suitable Excavator	ton	20-28	30-42

APPLICATION CASE



HYDRAULIC SHEAR & EXCAVATOR CLAMP ARM

1. Imported HARDOX400 plate, high strength, light weight, large shear force.
2. Hook Angle design, can more easily hook the material straight into the cutting structural steel.
3. The press clamp arm fixes the disassembled vehicle from three directions, facilitating the disassembling shears.
4. Disassembling shears with pressure clamp arms can quickly disassemble all kinds of scrapped vehicles.

SCRAP SHEAR

1. Using special rotary support, flexible operation, stable performance, large torque.
2. The shearing body adopts imported HARDOX400 plates with high strength, light weight and large shear force.
3. The blade adopts imported material, high temperature resistance, deformation resistance, longer life.
4. Is suitable for dismantling heavy duty vehicles, steel mills, metal ships, Bridges and other steel structure facilities.

HYDRAULIC PULVERIZER

The hydraulic crushing pliers are composed of an upper jaw shell cylinder, and the upper jaw is composed of a toothed blade external hydraulic system to provide oil pressure for the hydraulic cylinder, so that the upper jaw of the hydraulic crushing pliers and the fixed jaw are tensioning to achieve the effect of crushing objects.



TECHNICAL PARAMETERS

Model	Unit	PU04C	PU06J	PU08K	PU10A
Dead-weight	kg	695	1200	1850	2900
Max Opening	mm	610	700	840	1000
Length	mm	1635	1800	2280	2374
Width	mm	469	546	610	800
Max Crushing Force	ton	47	62	165	225
Max Shear Force	ton	87	91	160	264
Blade Length	mm	120	150	180	200
Driving Oil Pressure	bar	230	300	320	380
Suitable Excavator	kg	6-9	6-12	18-26	26-35

APPLICATION CASE



PRODUCT FEATURES

1. It is used for secondary crushing of steel and concrete and separation of steel and concrete.
2. It has the unique layout design of the jaw teeth, with double-layer wear resistance protection, and is made of imported HARDX400 sheet material.
3. The structure is optimized through load design to balance the opening size and crushing force.

LOG GRAPPLE

1. 360 degree hydraulic rotation provides it with more flexible grabbing effect.
2. Simple structure, light weight and high grasping force.
3. The connecting rod ensures the synchronization of two grabs.
4. The built-in balancing valve of the oil cylinder makes the operation smooth and maintains clamping force, thus providing higher safety.



TECHNICAL PARAMETERS

Model	Unit	Single Cylinder			Double Cylinder			Camshaft Rotation		Single Cylinder Non-rotating			Mechanical Log				
		GL04D	GL06D	GL08D	GL04A B/C	GL06A	GL08A	GL01A	GL02A	GL01B	GL02B/C	GL04H	GL01C	GL02D	GL04G	GL06F	GL08F
Weight	kg	342	829	1720	390	740	1600	120	240	110	190	248	90	130	220	430	800
Opening Size	mm	1362	1850	2050	1400	1790	2315	973	1250	973	1400	1518	997	1190	1200	1600	2000
Working Pressure	bar	110-140	150-170	160-220	110-140	150-170	160-220	<100	100-110	<100	100-110	100-140					
Setting Pressure	bar	170	190	230	170	190	230	<130	130	<130	130	170					
Working Flow	L/min	30-55	90-110	100-160	30-55	90-110	100-160	<20	20-40	<20	20-40	30-55					
Suitable Excavator	ton	5-8	8-16	16-26	5-8	8-16	16-26	<3	3-5	<3	3-5	5-8					

APPLICATION CASE



PRODUCT FEATURES

1. 360 degree hydraulic rotation makes it more flexible grabbing effect.
2. The built-in balancing valve of the oil cylinder makes the operation smooth and maintains clamping force, thus providing higher safety.
3. The two-way overflow valve and the two-way balance valve of the motor can protect it from the impact of hydraulic pressure.

P TYPE QUICK HITCH COUPLER



TECHNICAL PARAMETERS

Model	Unit	MINI	JXK-02	JXK-04	JXK-06	JXK-08	JXK-10	JXK-17	JXK-20
Length	mm	300-450	550-595	590-630	795-825	888-980	980-1060	1050-1250	1050-1250
Height	mm	250-280	312	320	410	520	608	620	620
Width	mm	170-230	270-300	300-355	365-420	460-500	510-590	580-650	580-680
Pins center distance	mm	90-210	225-285	285-360	370-420	430-500	470-550	540-600	540-600
Arm width	mm	90-140	155-200	160-230	220-275	300-350	340-420	420-500	420-500
Cylinder stroke	mm	35	75	75	85	70	80	80	80
Vertical pins center distance	mm	150-170	200	200	260	325	385	400	400
Weight	kg	30-50	50-80	70-100	220-290	370-420	500-600	650-900	700-1000
Working pressure	bar	40-200	40-200	40-200	40-200	40-200	40-200	40-200	40-200
Suitable excavator	ton	1.5-4	4-6	6-10	10-16	16-24	24-32	34-42	45-52

H TYPE QUICK HITCH COUPLER



TECHNICAL PARAMETERS

Model	Unit	JXK-06	JXK-08	JXK-10	JXK-17	JXK-20
Length	mm	795-855	950-1060	990-1200	1050-1300	1100-1300
Height	mm	430	480-550	560	560-600	620-650
Width	mm	365-420	460-500	510-590	580-650	580-680
Pins center distance	mm	370-420	430-500	470-550	540-600	540-600
Arm width	mm	220-275	300-350	340-420	420-500	420-500
Cylinder stroke	mm	85	70	80	80	80
Vertical pins center distance	mm	260	325	385	400	400
Weight	kg	220-290	370-420	500-600	650-900	700-1000
Working pressure	bar	40-200	40-200	40-200	40-200	40-200
Suitable excavator	ton	10-16	16-24	24-32	34-42	45-52

APPLICATION CASE



PRODUCT FEATURES

1. JXM quick hitch coupler is made by high strength manganese steel, structural integration design and hard-wearing quality. It applicable to all kinds of tonnage excavator's assembly requirement.
2. The operator's cabin is equipped with an electric switch which is convenient for the driver's operation. It replacing the high cost oil pressure by electric power.
3. Each oil cylinder is equipped with check valve and a mechanical locking safety device to ensure the oil flow. To enable coupler to regular work when the oil circuit on or cut off.
4. Each quick hitch coupler have installed safety pin to protect system, also ensure normal operation when cylinder failure as "dual protect" function.

HYDRAULIC ORANGE PEEL GRAPPLE



TECHNICAL PARAMETERS

Model	Unit	GR04	GR06	GR08	GR10	GR14
Dead Weight	kg	550	1668	1750	1981	2500
Max Opening	mm	1575	2142	2280	2500	2610
Open Height	mm	900	2136	2200	2391	2630
Closed Diameter	mm	600	1250	1300	1612	1720
Closed Height	mm	1150	2500	2600	2675	2800
Bucket Capacity	m ³	0.3	0.6	0.8	1.0	1.3
Max Load	Kg	800	1600	2000	2600	3200
Suitable Excavator	kg	8-11	12-17	18-25	26-35	36-50
Flow Demand	L/min	50	90	180	220	280



MULTI GRABS

TECHNICAL PARAMETERS

Model	Unit	CA06A	CA08A
Weight	kg	850	1435
Opening Size	mm	2080	2250
Bucket Width	mm	800	1200
Working Pressure	bar	150-170	160-180
Setting Pressure	bar	190	200
Working Flow	L/min	90-110	100-140
Suitable Excavator	ton	12-16	17-23

APPLICATION CASE



ORANGE PEEL GRAPPLE

1. It adopts imported HARDX400 sheet material, and is light in weight and excellent in wear resistance.
2. Among the same products, it has the largest grabbing force and widest grabbing distance.
3. It has built-in cylinder and high-pressure hose, and the oil circuit is completely closed, protecting the hose and prolonging the service life.
4. The cylinder is equipped with an anti-fouling ring, which can effectively prevent the tiny impurity in the hydraulic oil from damaging the seals.

MULTI GRABS

1. 360 degree hydraulic rotation to provide more flexible grabbing effect.
2. With double motor rotation and larger torque.
3. The edge of grab bucket is made of imported HARDX400 sheet, which has a longer service life.
4. The built-in balance valve of the oil cylinder keeps the clamping force and is more secure.
5. The oil cylinder and control connecting rod are built in, and the shell provides protection to keep the grabbing synchronization.