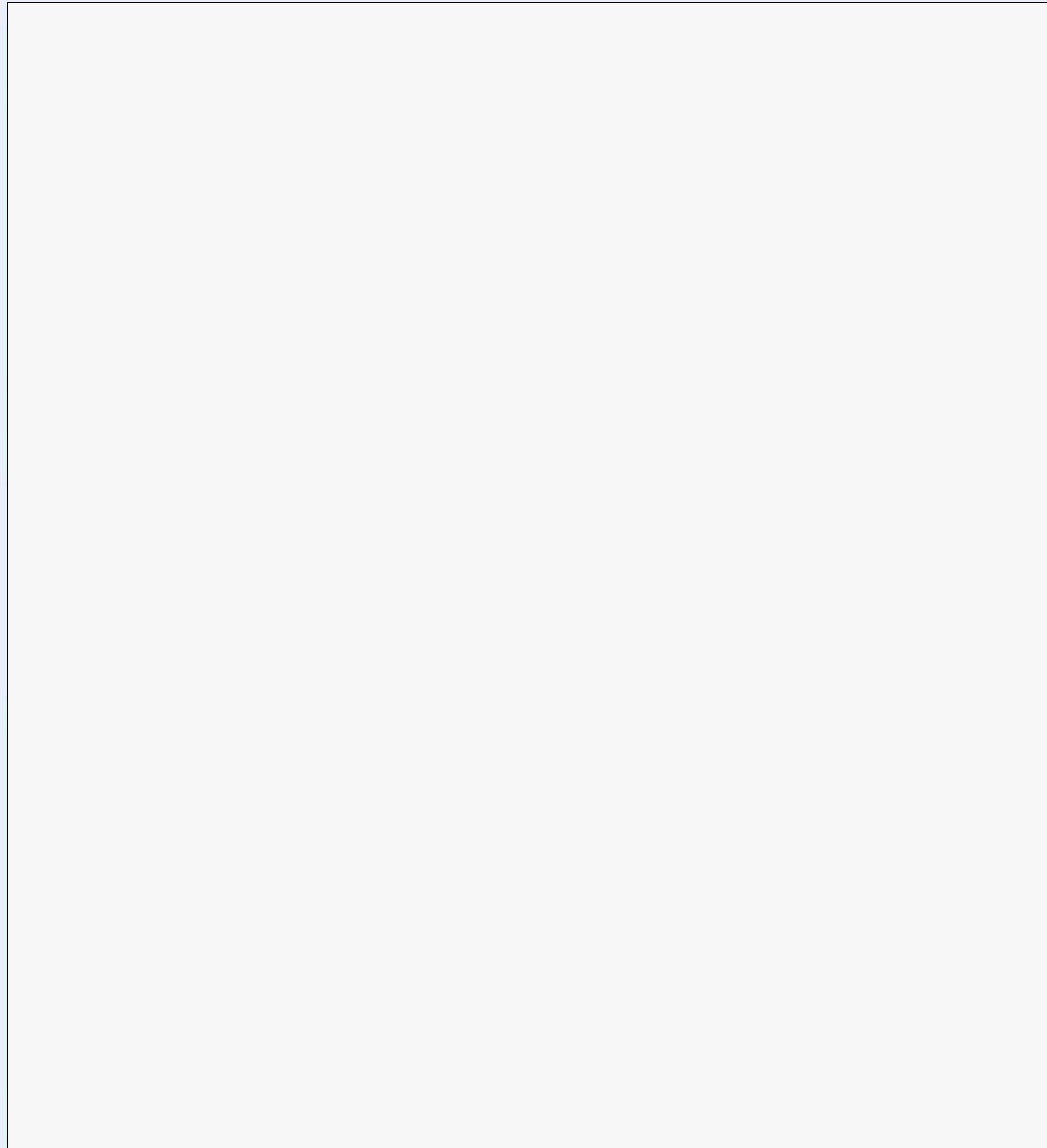


## Quality Control System

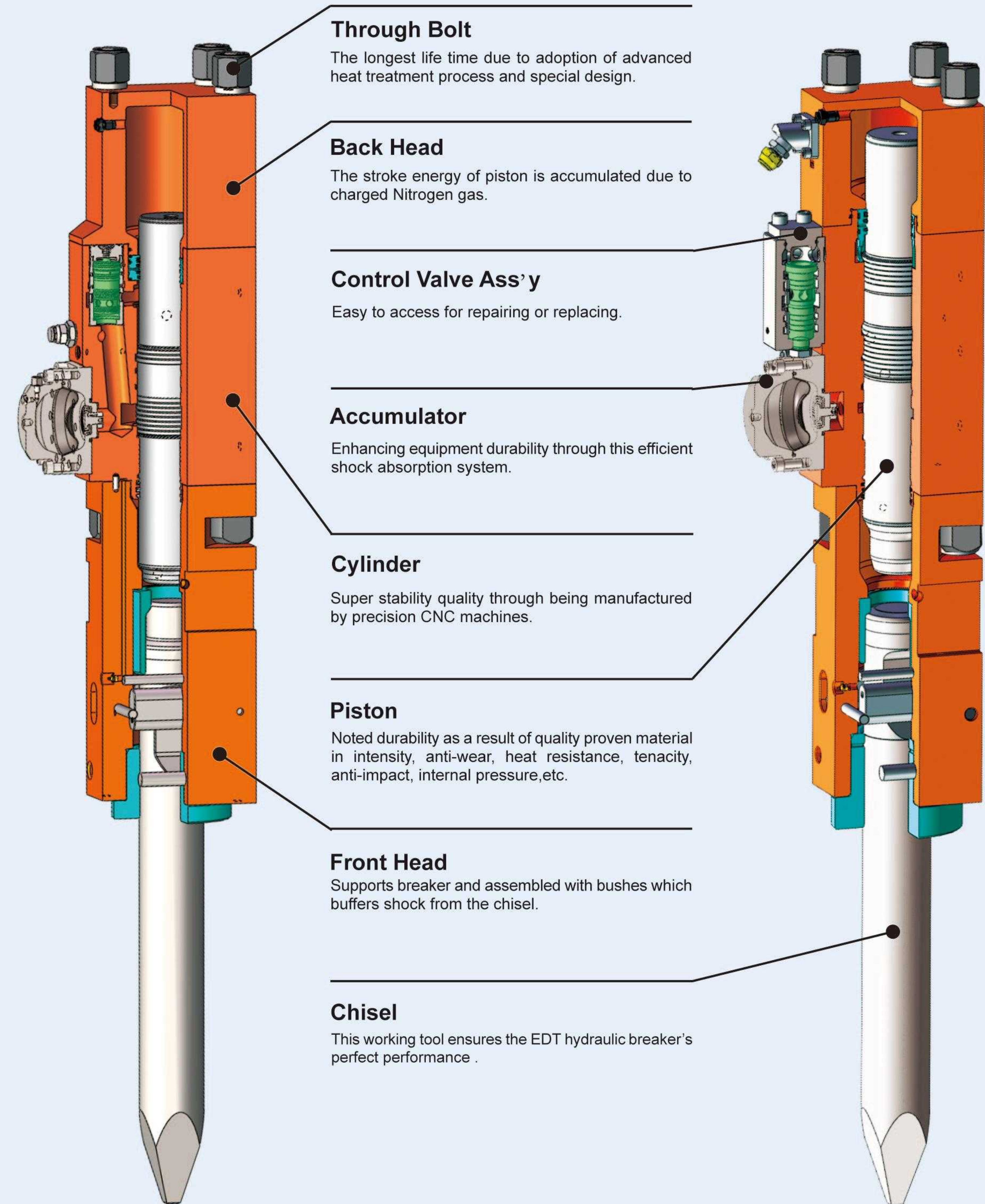


AEM

CE

Noise Control

## Main Body Sections



**Through Bolt**

The longest life time due to adoption of advanced heat treatment process and special design.

**Back Head**

The stroke energy of piston is accumulated due to charged Nitrogen gas.

**Control Valve Ass'y**

Easy to access for repairing or replacing.

**Accumulator**

Enhancing equipment durability through this efficient shock absorption system.

**Cylinder**

Super stability quality through being manufactured by precision CNC machines.

**Piston**

Noted durability as a result of quality proven material in intensity, anti-wear, heat resistance, tenacity, anti-impact, internal pressure, etc.

**Front Head**

Supports breaker and assembled with bushes which buffers shock from the chisel.

**Chisel**

This working tool ensures the EDT hydraulic breaker's perfect performance .

Inward Valve Type

Outward Valve Type

## Medium-duty Hydraulic Breakers



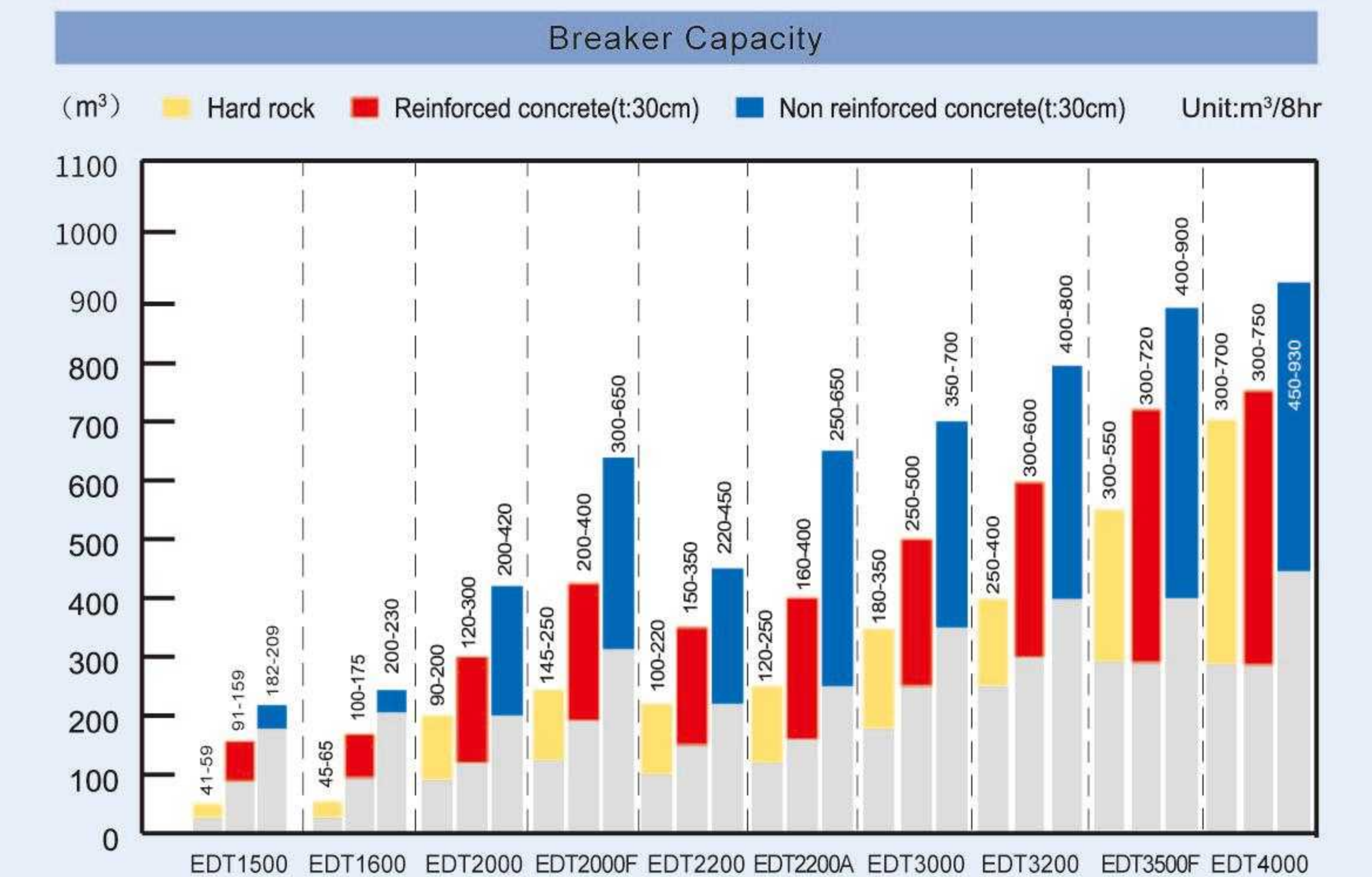
Top Type



Side Type



Box-Silenced Type



## Specifications

Spec.	Unit	EDDIE120 EDT1500	EDDIE125 EDT1600	EDDIE135 EDT2000	EDDIE135F EDT2000F	EDDIE140 EDT2200	EDDIE140A EDT2200A	EDDIE150 EDT3000	EDDIE155 EDT3200	EDDIE165 EDT3500F	EDDIE160 EDT4000
Body Weight	kg	600	620	850	846	920	956	1092	1313	1590	1400
Total Weight (Side/Top/Box)	kg	1280/1300/1415	1224/1287/1285	1572/1859/1743	1576/1870/1740	1781/2048/1894	1826/2093/1939	2188/2511/2351	2484/2774/2716	3156/3511/3183	-/3116/2993
Length (Side/Top/Box)	mm	2050/2470/2450	2286/2723/2750	2423/2835/2750	2259/2691/2750	2479/2900/2860	2479/2900/2860	2575/3027/3020	2767/3219/3088	3000/3262/2889	-/3262/3145
Width (Side/Top/Box)	mm	558/558/558	545/545/565	565/565/565	565/565/565	565/565/565	565/565/565	665/665/665	665/665/665	665/665/665	-/655/655
Height (Side/Top/Box)	mm	1075/710/710	1114/619/666	1237/707/560	1237/707/560	1316/707/560	1316/707/560	1353/760/760	1390/760/799	1526/760/840	-/760/837
Operating Pressure	kg/cm <sup>2</sup>	160-180	150-170	160-180	160-180	160-180	160-180	160-180	160-180	160-200	160-180
Oil Flow Range	l/min	130-150	90-120	130-150	145-180	120-180	120-180	150-190	180-240	200-250	200-250
Impact Frequency	bpm	400-600	350-650	400-600	360-460	350-550	350-550	350-700	300-450	250-380	250-380
Diameter of Hose	inch	3/4	1	1	1	1	1	1	1 1/4	1 1/4	1 1/4
Diameter of Tool	mm	120	125	135	135	140	140	150	155	165	160
Suitable Carrier	ton	15-18	15-18	18-26	18-26	18-26	18-26	27-35	28-35	30-40	30-40

## Heavy-duty Hydraulic Breakers



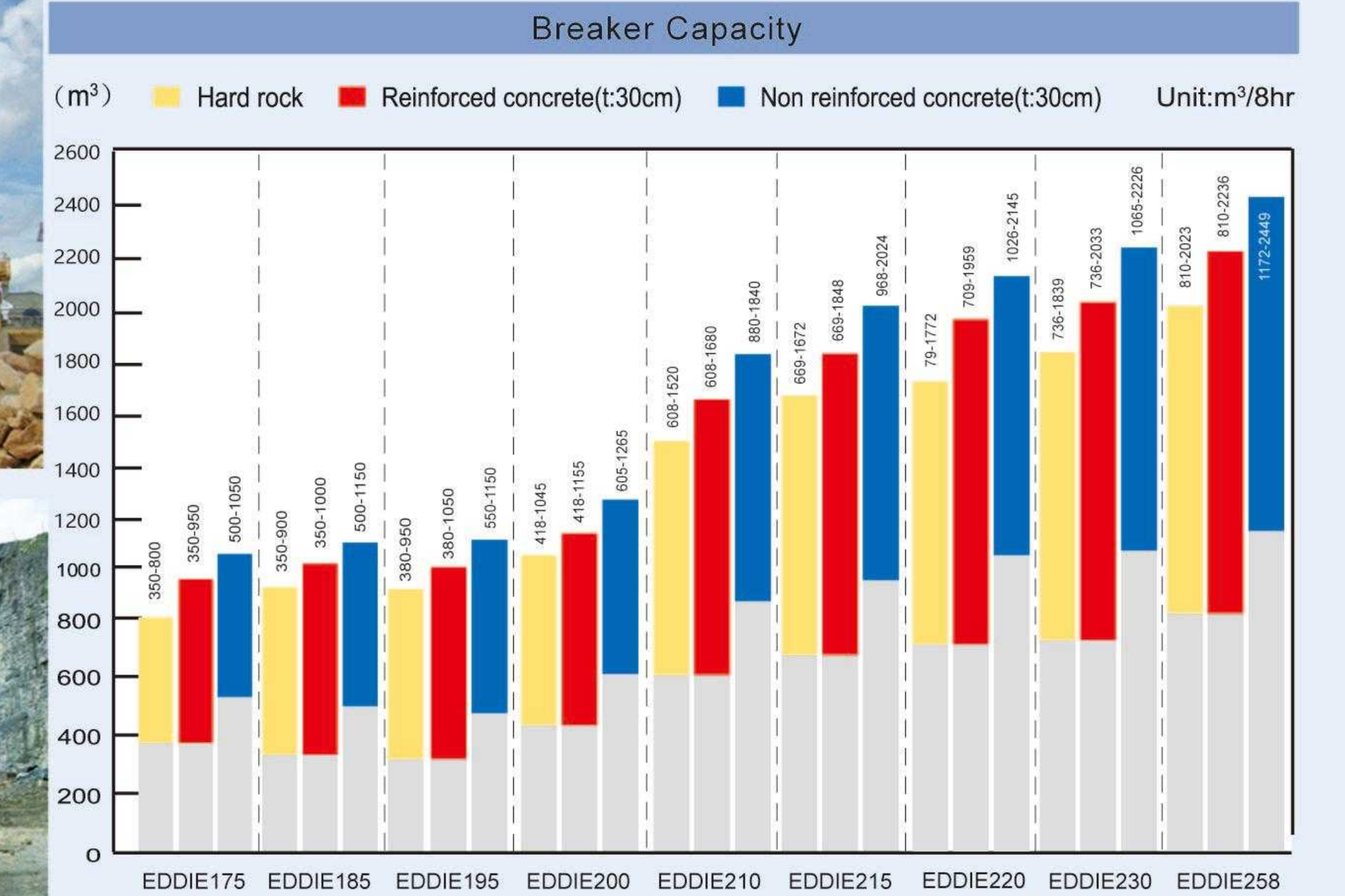
Top Type



Side Type



Box-Silenced Type



## Specifications

Spec.	Unit	EDDIE175 EDT4500	EDDIE185	EDDIE195/195HF	EDDIE200	EDDIE210	EDDIE215	EDDIE220	EDDIE230	EDDIE258
Body Weight	kg	1960	2375	2823	3077	3400	3577	3939	4153	5994
Total Weight (Side/Top/Box)	kg	3806/4232/3789	4655/5102/5226	5418/5810/5823	5985/6536/6243	6600/7225/7000	7100/7513/7453	7700/8147/-	8503/9032/-	10891/11420/-
Length (Side/Top/Box)	mm	3128/3732/3729	3284/3875/3882	3596/4030/4043	3479/4060/4189	3613/4360/4400	3687/4360/4408	3841/4470/-	3797/4690/-	4215/4750/-
Width (Side/Top/Box)	mm	755/755/755	755/755/755	755/755/755	755/755/755	805/805/805	864/864/864	865/860/-	865/865/-	955/955/-
Height (Side/Top/Box)	mm	1600/908/908	1642/908/940	1690/908/940	1707/950/1000	1811/1017/1030	1911/1030/1050	1908/1030/-	1976/1030/-	2099/1080/-
Operating Pressure	kg/cm <sup>2</sup>	180-210	180-240	200-240/200-240	200-240	230-260	200-260	230-260	230-260	230-260
Oil Flow Range	l/min	200-260	240-300	290-360/280-360	300-370	340-420	340-460	400-500	420-540	450-550
Impact Frequency	bpm	200-350	180-250	150-200/250-320	150-200	130-170	130-170	130-170	130-170	110-140
Diameter of Hose	inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Diameter of Tool	mm	175	185	195	200	210	215	220	230	258
Suitable Carrier	ton	35-45	40-55	50-65	55-75	55-65	65-75	65-80	80-120	90-140

- Backhoe Loader Type
- Skid Steer Loader Type Breaker
- Auto-Grease Device (AGD)

## Skid Steer Loader (SSL)

The skid steer loader type breakers are specially developed for skid steer loaders to meet the market requirement of higher impact energy and optimal performance.

Such as : Bob Cat185, Cat226,Cat216, Cat226, Cat262 and other brands and models.

Suitable Model: EDT200, EDT300, EDT400, EDT430, EDT435, EDT450, EDT800



H2 ( Hydraulic Drive Type )



Z5 ( Mechanic Type )



SPECIFICATION	AGD-H2	AGD-Z5		
Output Pressure	18bar-164bar	20bar-60bar		
Cartridge Capacity	400ml	500ml		
Exterior Size	165*88*252mm	140*91*320mm		
Weight Without Grease	3.9Kg	3.9Kg		
Output Port Size	PF 1/4"	PF 1/4"		
Running Time of Cartridge (Normal Condition)	50cc/100cc/ 1 hour	1 or 2 Cartridges/ 1 day	20 tons Excavator	3-4 days
	0cc-20cc/ 1 hour	1 Cartridges/ 3-5 day	40 tons Excavator	1-2 days
Grease Type	Please use Below 200cst Viscosity Grease	Mos2 NLGL NO.2(Normal) NLGL NO.1(under 10°C) NLGL NO.0(under 10°C)		
Normal Temperature Range	-10°C-70°C	-10°C-60°C		
Permissible Temperature Range	-10°C-70°C	-10°C-60°C		

## Backhoe Loader

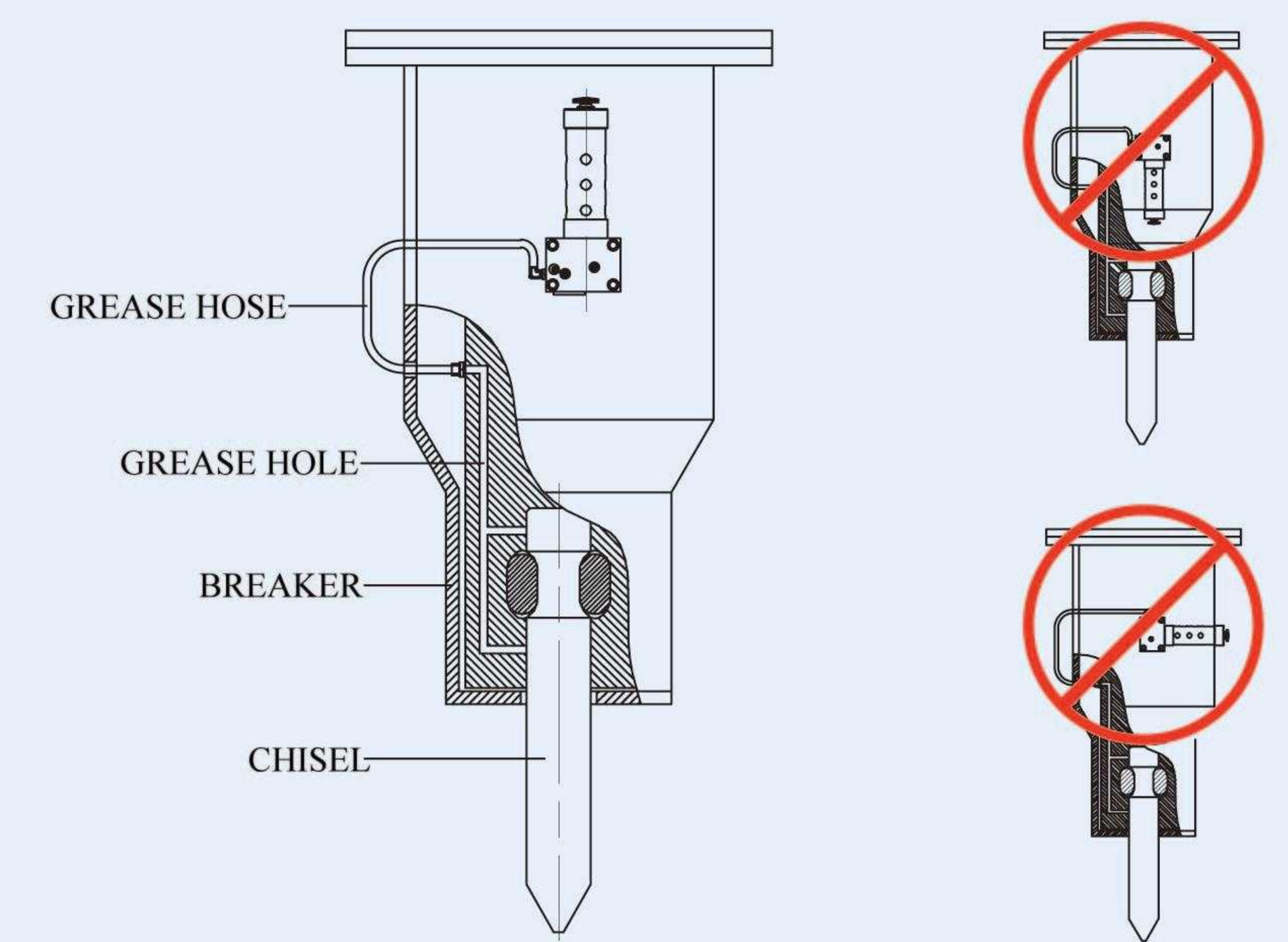
The backhoe loader type breakers are developed for backhoe loader to meet the required design for demolition.

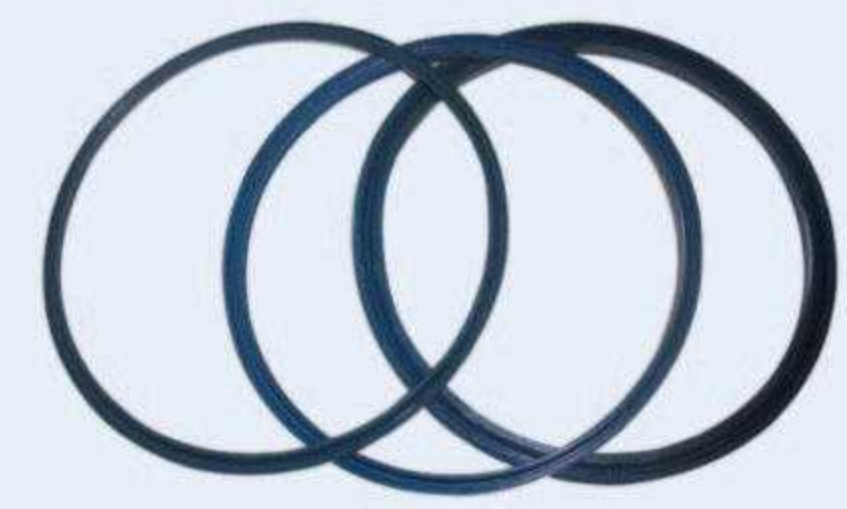
Such as : JCB3cx, 3dx, 4cx  
Case580M Cat416D  
John Deere 310J, 410J

Suitable Model: EDT400, EDT430, EDT435



All of these types can fit to Backhoe Loader





Seal Kit



Rod Pin



Mounted Pin Kit



Through Bolt



Side Bolt



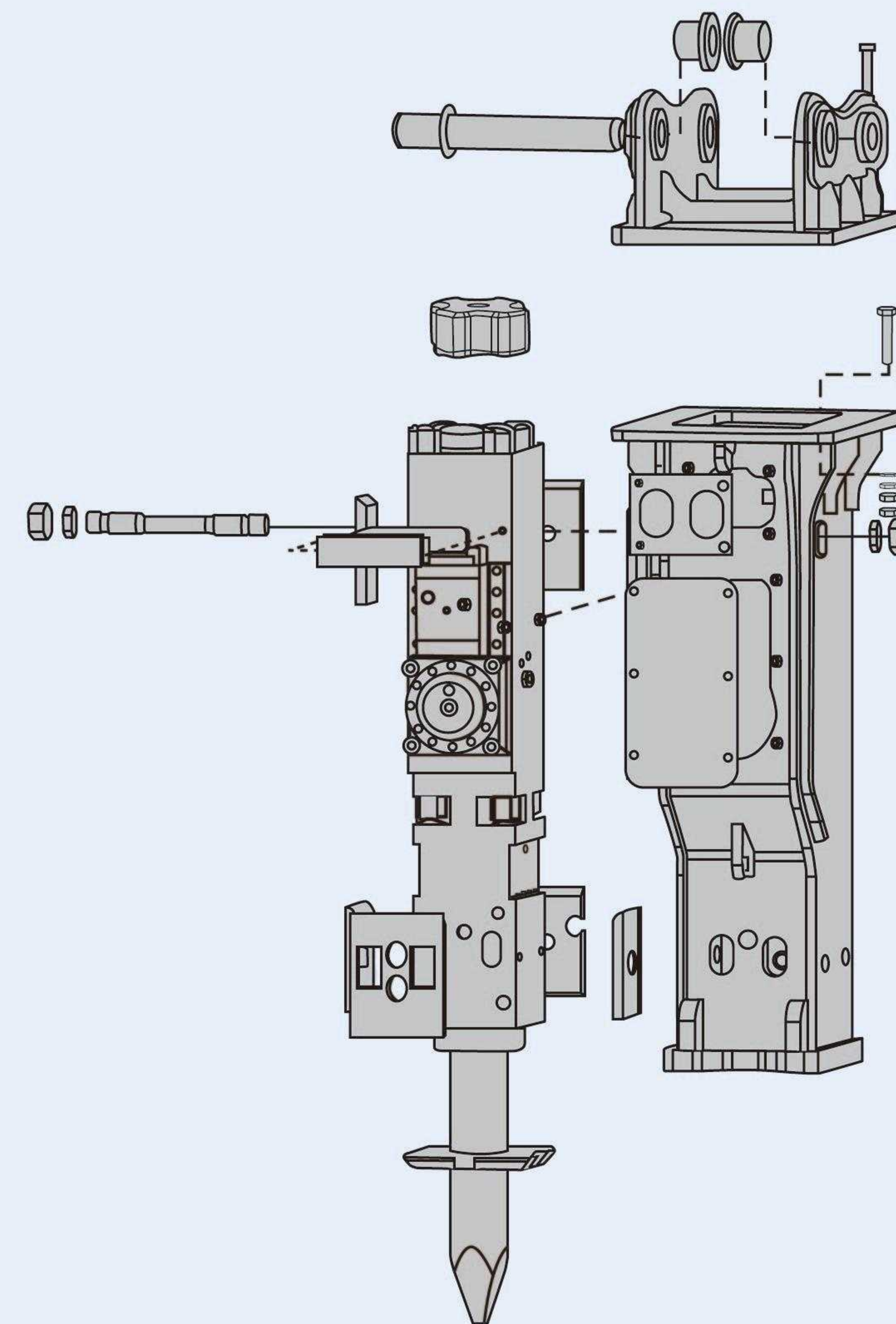
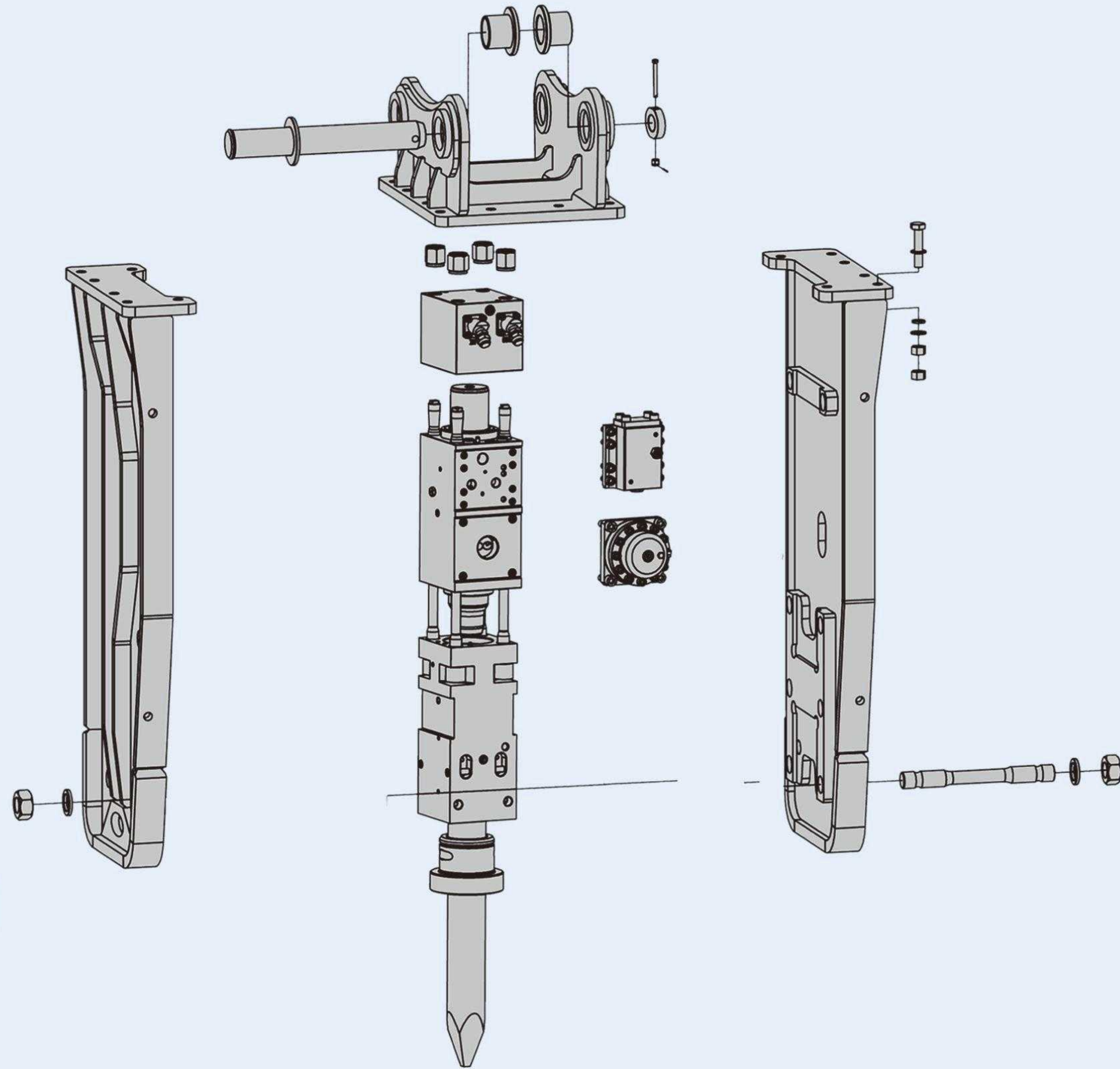
Control Valve



N<sub>2</sub> Charging Kit

(EDT2000 as sample)

(EDT2000F as sample)



Front Cover



Ring Bush



Accumulator



Front Head



Main Valve Assy



Piston



Chisel



Cylinder With Piston

## Piping Kit



Foot Pedal  
(Pedal Valve)



Stop Valve



Solenoid Valve



Flange Clamp



Hose



Pipe Clamp



Support Plate



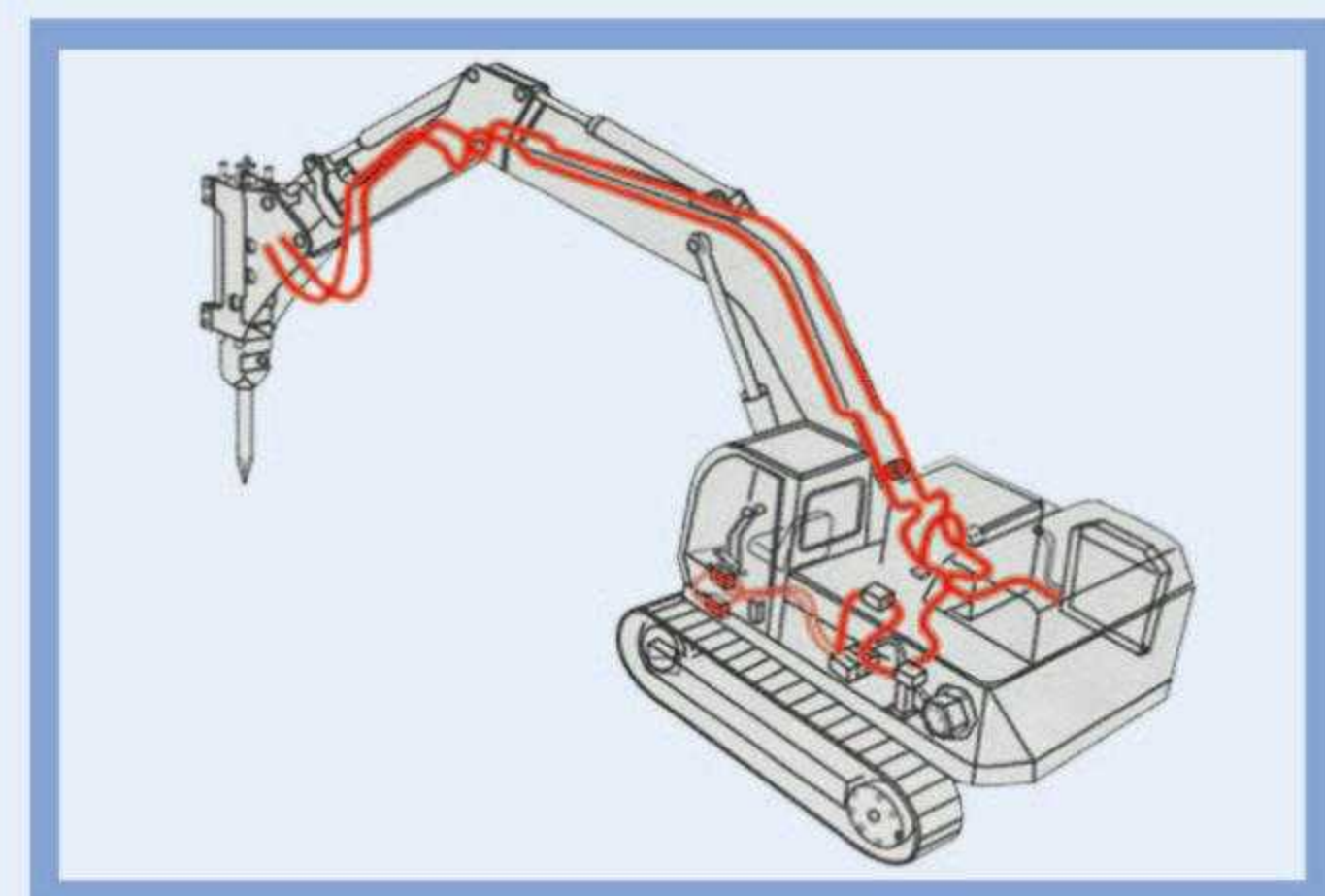
Rubber Protection Ring



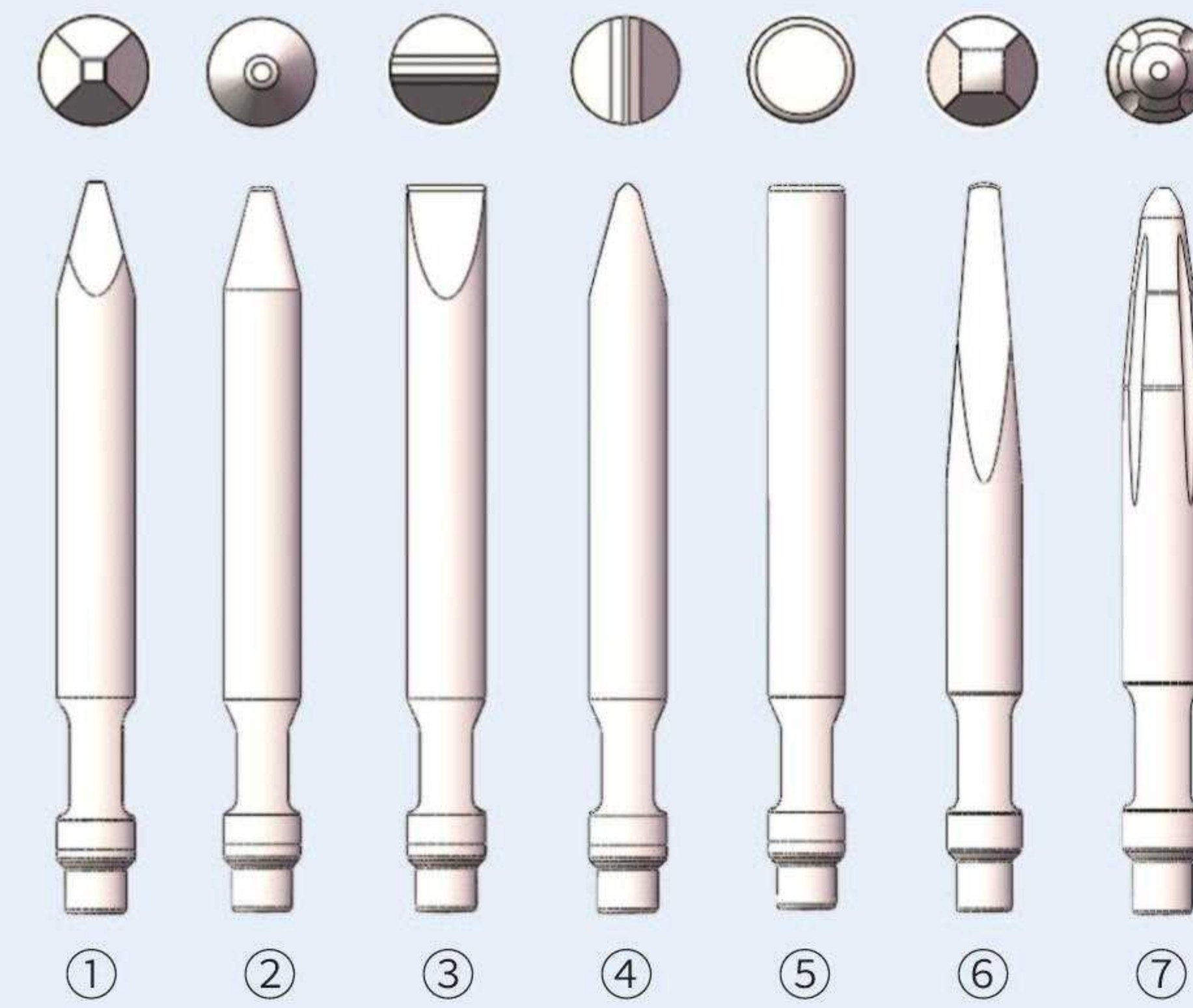
Filter and Accumulator  
(option)



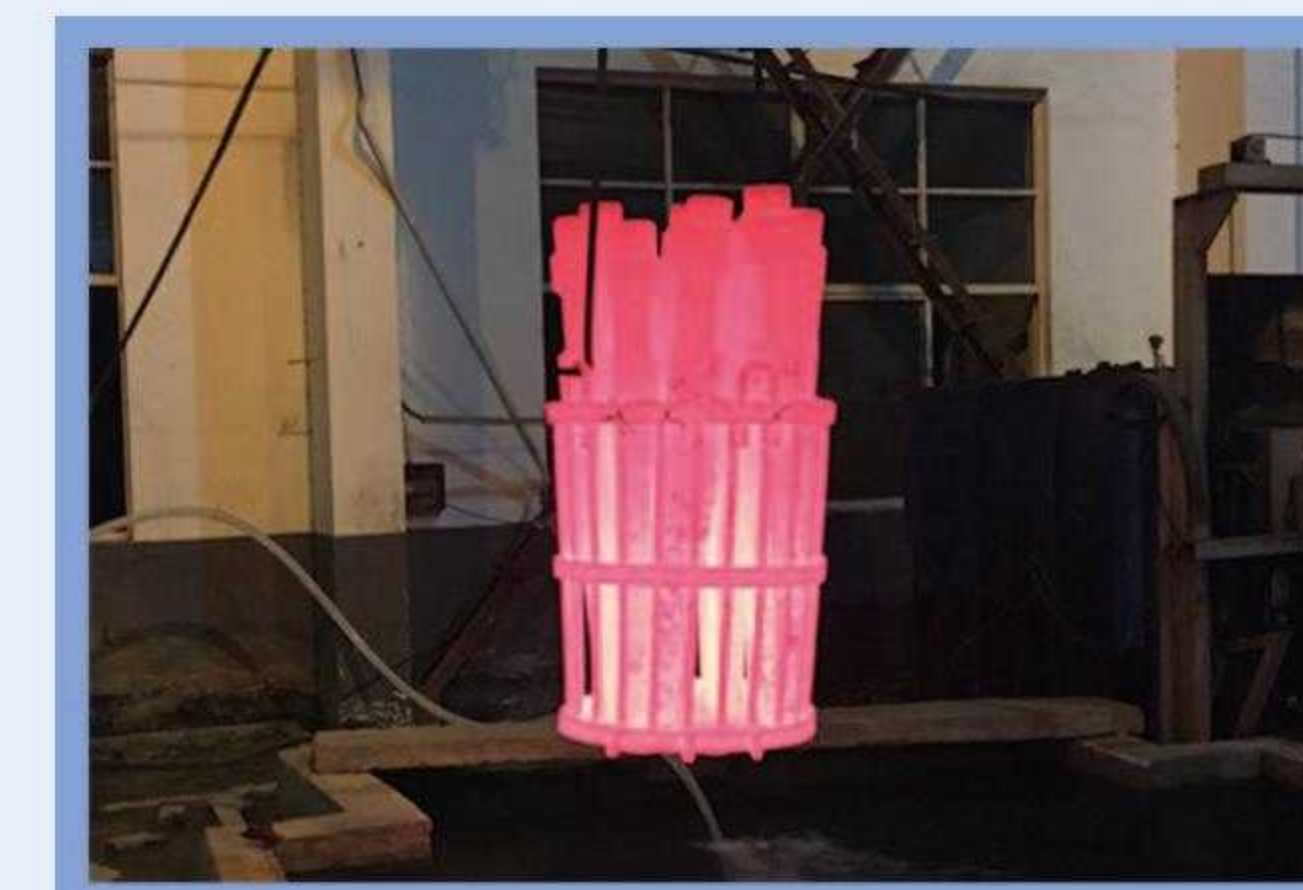
Steel Pipe



## Tool / Bit / Point / Rod / Chisel



Type	Abbr	Application
① Moil Point	M	Multiple Purpose
② Conical Point	C	Multiple Purpose
③ H-Wedge	H	Trenching, Asphalt, Concrete
④ V-Wedge	V	Trenching, Asphalt, Concrete
⑤ Blunt	B	Boulders, Concrete
⑥ Conical Slotted	CS	Rock, Concrete
⑦ Forged Moil Point	FM	Rock, Concrete

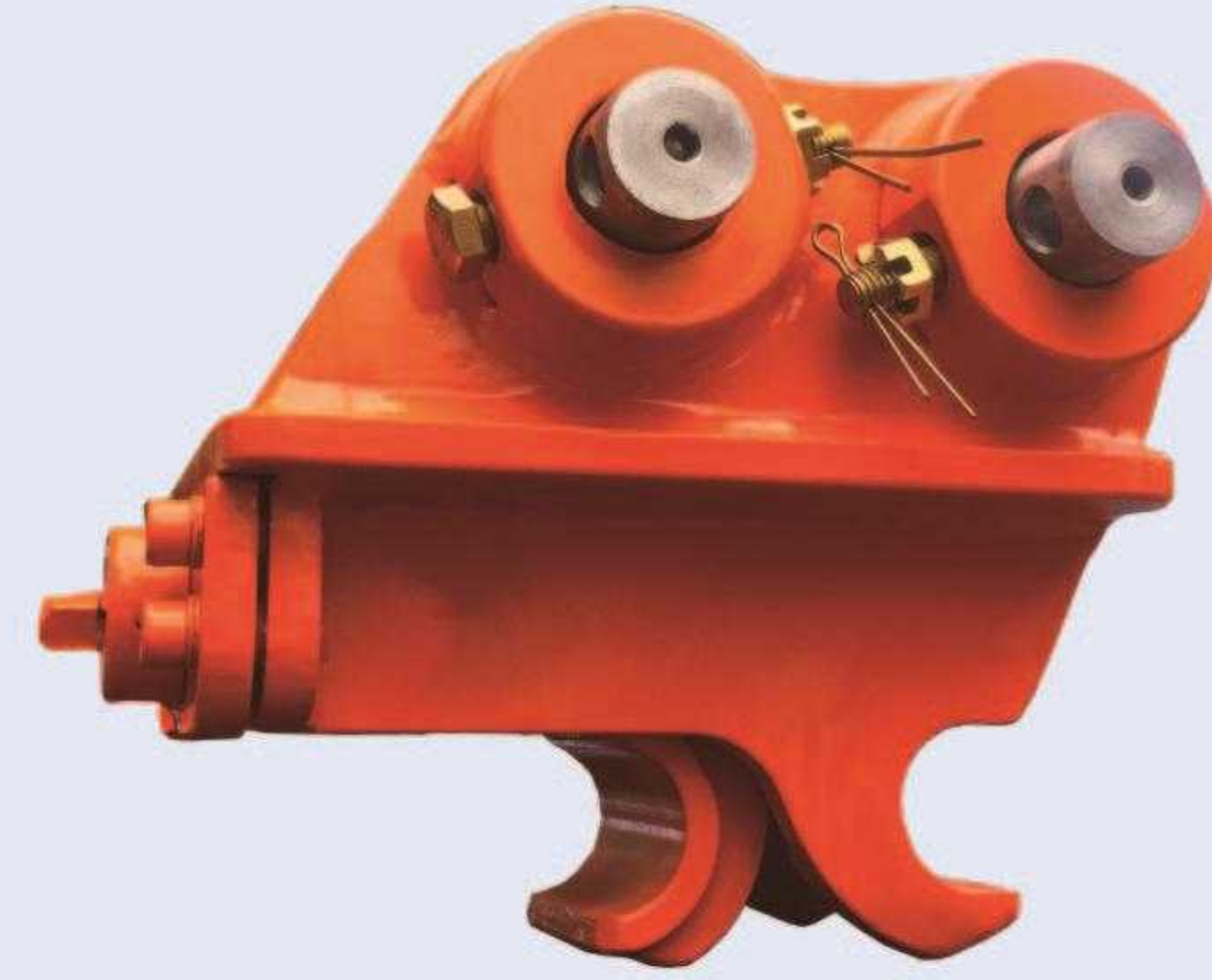


	EDDIE40	EDDIE45	EDDIE53	EDDIE68	EDDIE75	EDDIE75/80	EDDIE85	EDDIE100	EDDIE120	EDDIE125	EDDIE135	EDDIE140(A)
Dia.(mm)	40	45	53	68	75	75/80	85	100	120	125	135	140
Length.(mm)	430	500	580	702	710	755	745	1055	1120	1130	1200	1300
Weight.(Kg)	4	8	9	18	22	26	29	57	90	94	115	135

	EDDIE150	EDDIE155	EDDIE165	EDDIE160	EDDIE175	EDDIE185	EDDIE195	EDDIE200	EDDIE210	EDDIE215	EDDIE220	EDDIE230	EDDIE258
Dia.(mm)	150	155	165	160	175	185	195	200	210	215	220	230	258
Length.(mm)	1300	1500	1500	1400	1600	1700	1800	1650	1750	1750	1800	1800	1950
Weight.(Kg)	157	190	215	200	240	260	304	316	365	387	427	460	662

## Quick Coupler

### 快速连接器



Mechanical type

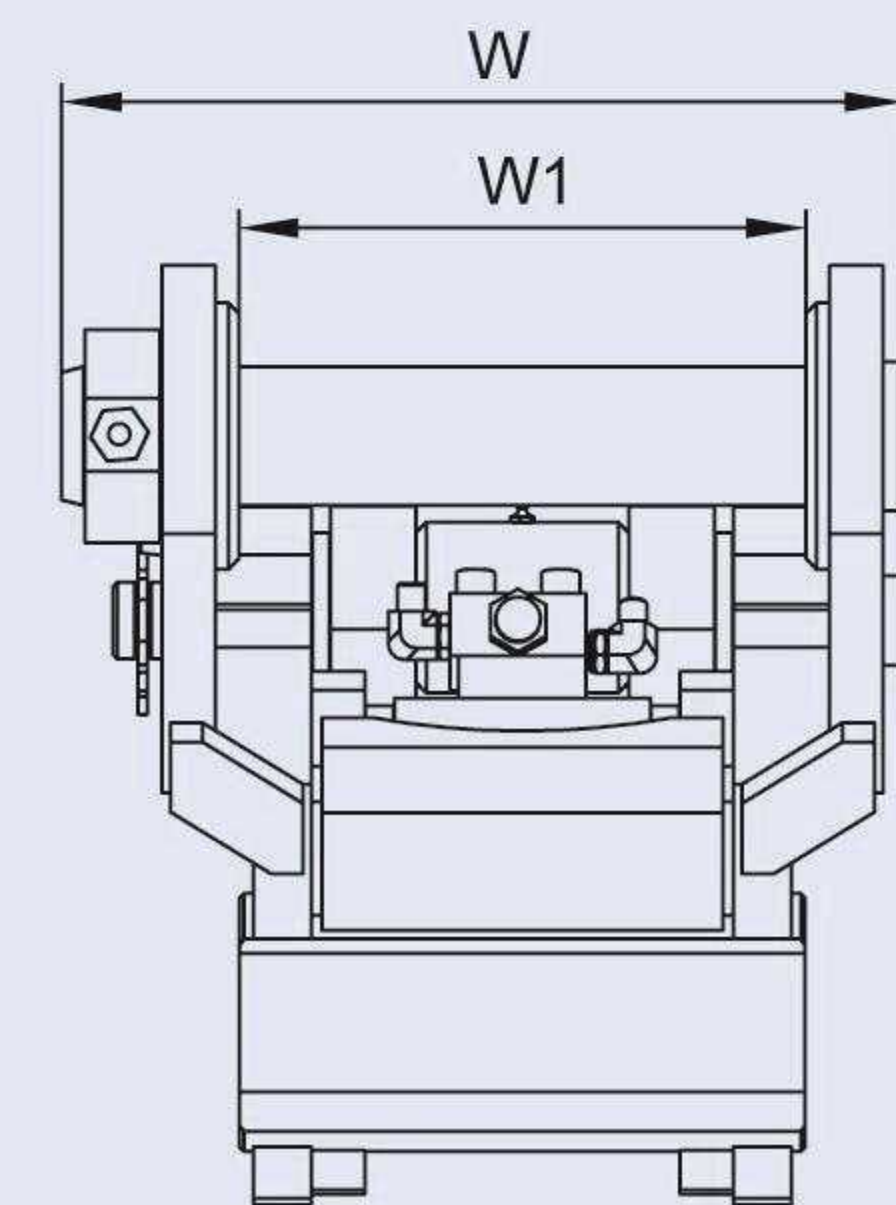
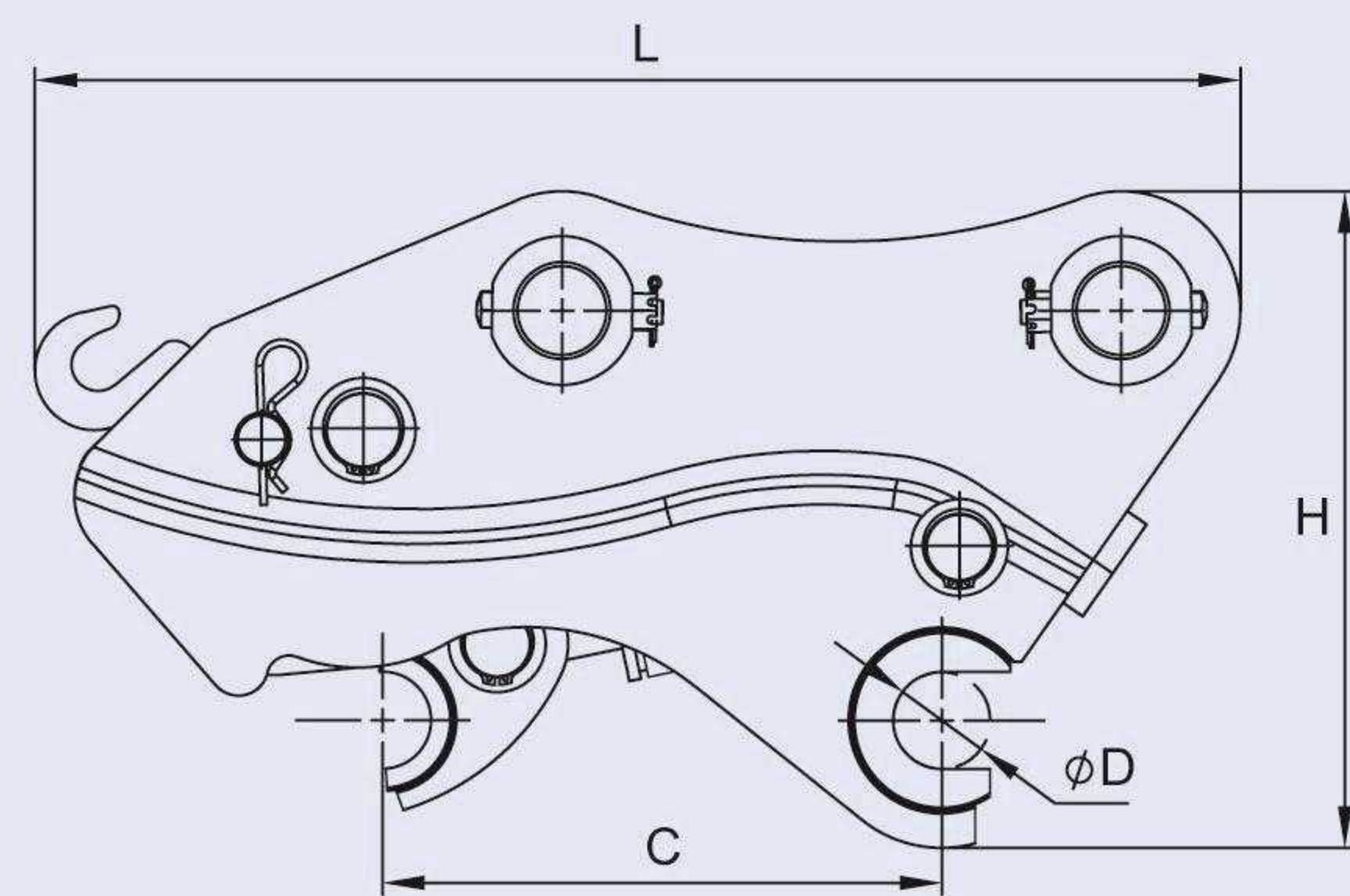


Hydraulic type(casting)



Hydraulic type(welding)

### Outline Dimension 外形尺寸



Specifications 技术参数		FQC02	FQC03	FQC04
Total Length L	总长度 L	370-420 mm	400-450 mm	550-590 mm
Total Length H	总高度 H	255-300 mm	230-280 mm	300-380 mm
Total Length W	总宽度 W	150-200 mm	210-250 mm	240-310 mm
Centre Distance	销轴中心距C	85-180 mm	170-245 mm	245-300 mm
Arm Width	小臂开档W1	90-120 mm	110-160 mm	150-230 mm
Pin Diameter	轴直径 D	Φ25-Φ30 mm	Φ35-Φ40 mm	Φ45 mm
Hydraulic Pressure	使用压力	30-150 Kg/cm <sup>2</sup>	30-150 Kg/cm <sup>2</sup>	30-150 Kg/cm <sup>2</sup>
Hydraulic Flow	工作流量	10-30 L/min	10-30 L/min	10-30 L/min
Weight	重量	20-30 kg	35-50 kg	60-80 kg
Suitable Carrier	适配挖机	1-2 ton	2.5-4 ton	5-6.5 ton

Specifications 技术参数		FQC05	FQC06	FQC08
Total Length L	总长度 L	610-650 mm	800-860 mm	1000-1050 mm
Total Length H	总高度 H	310-390 mm	415-510 mm	500-580 mm
Total Length W	总宽度 W	300-385 mm	360-420 mm	450-560 mm
Centre Distance	销轴中心距C	290-360 mm	350-420 mm	400-510 mm
Arm Width	小臂开档W1	220-280 mm	250-320 mm	300-390 mm
Pin Diameter	轴直径 D	Φ50-Φ55 mm	Φ60-Φ70 mm	Φ80-Φ85 mm
Hydraulic Pressure	使用压力	30-150 Kg/cm <sup>2</sup>	30-150 Kg/cm <sup>2</sup>	30-200 Kg/cm <sup>2</sup>
Hydraulic Flow	工作流量	10-30 L/min	10-30 L/min	10-30 L/min
Weight	重量	90-120 kg	200-260 kg	340-380 kg
Suitable Carrier	适配挖机	7-10 ton	11-17 ton	18-26 ton

Specifications 技术参数		FQC09	FQC10	FQC12
Total Length L	总长度 L	1080-1150 mm	1150-1250 mm	1250-1350 mm
Total Length H	总高度 H	550-615 mm	595-650 mm	600-660 mm
Total Length W	总宽度 W	530-640 mm	580-650 mm	630-700 mm
Centre Distance	销轴中心距C	500-580 mm	570-600 mm	590-650 mm
Arm Width	小臂开档W1	350-420 mm	400-450 mm	450-560 mm
Pin Diameter	轴直径 D	Φ90-Φ95 mm	Φ100-Φ110 mm	Φ110-Φ130 mm
Hydraulic Pressure	使用压力	30-200 Kg/cm <sup>2</sup>	30-200 Kg/cm <sup>2</sup>	30-200 Kg/cm <sup>2</sup>
Hydraulic Flow	工作流量	10-30 L/min	10-30 L/min	10-30 L/min
Weight	重量	530-580 kg	700-760 kg	750-850 kg
Suitable Carrier	适配挖机	26-35 ton	36-40 ton	40-50 ton

## Hydraulic Compactor

### 液压夯

Straight check valve, one-way unloading of the pump body pressure ensure the normal operation of the motor.

直通单向阀, 单向卸载马达泵体压力, 保证马达正常工作。

The conjunction of the flow control valve and relief valve can adjust the flow within the appropriate flow range to ensure the speed of vibration, can be suitable for excavators with different flow rates.

流量调节阀与溢流阀配合, 可在适当的流量区间内调节流量, 保证打击速度, 可适配不同流量的挖机。

High strength vibration plate can ensure the service life time of hydraulic compactor.

高强度振动板, 保证振动夯的使用寿命。

The adoption of high elastic rubber damper can reduce excavator resonance and increase equipment service life time.

采用高弹性橡胶减震胶块, 弹性好, 减少挖机共振, 增加设备使用寿命。

Imported motor improves the service life time and stability of power box body.

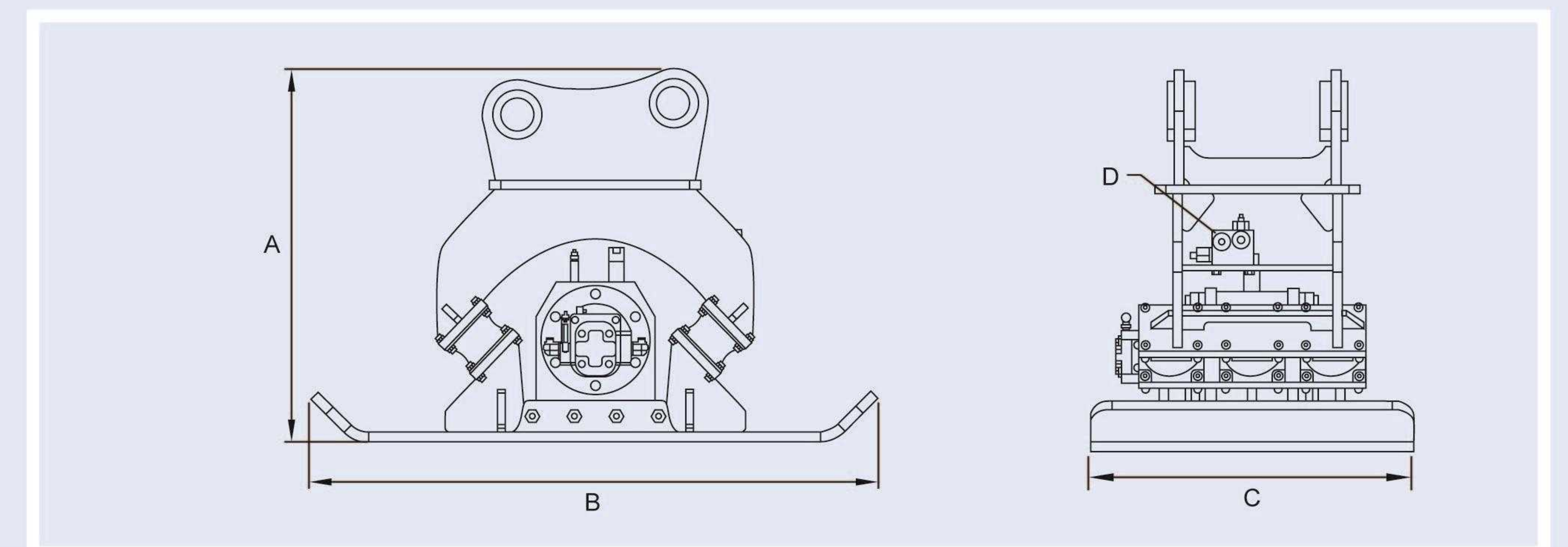
采用进口马达提高了动力箱的使用寿命和稳定性。



Specifications 技术参数		FVC02	FVC03	FVC04
Outline Dimension 外形尺寸	A	617 mm	780 mm	780 mm
	B	760 mm	1135 mm	1135 mm
	C	420 mm	550 mm	550 mm
	D	PF1/2"	PF1/2"	PF1/2"
Total Weight 重量		192 kg	380 kg	550 kg
Working Pressure 工作压力		40~100 bar	80~120 bar	90~130 bar
Punch 打击力		25 kN	35 kN	40 kN
Working Flow 工作流量		30~50 lpm	50~70 lpm	60~80 lpm
Vibration Frequency 振动频次		2700 Vpm(max)	2700 Vpm(max)	2000 Vpm(max)
Suitable Carrier 适配挖机		1-3 ton	4-6 ton	7-10 ton

Specifications 技术参数		FVC06	FVC08	FVC10
Outline Dimension 外形尺寸	A	942 mm	1076 mm	1076 mm
	B	1246 mm	1620 mm	1620 mm
	C	750 mm	900 mm	900 mm
	D	PF3/4"	PF1"	PF1"
Total Weight 重量		870 kg	1180 kg	1300 kg
Working Pressure 工作压力		100~140 bar	150~180 bar	150~180 bar
Punch 打击力		80 kN	150 kN	160 kN
Working Flow 工作流量		80~120 lpm	100~170 lpm	120~210 lpm
Vibration Frequency 振动频次		2000 Vpm(max)	2000 Vpm(max)	2000 Vpm(max)
Suitable Carrier 适配挖机		11-16 ton	17-23 ton	24-35 ton

### Outline Dimension 外形尺寸





## Crusher ( CR Type )

### CR型合金铸造液压剪

The efficiency of Independent research and development of large-flow acceleration valve is 1.2-1.5 times higher than traditional control devices.

自主研发大流量加速阀, 同比传统控制效率提升1.2-1.5倍。

The high-quality slewing mechanism greatly improves the service life time of the device and the stability of the system.

高品质回转机构, 大大提高了装置的使用寿命和系统的稳定性。

The whole structure is made of high-strength alloy casting, and the strength is increased by 1.5 times compared with the traditional plate welding structure. Specially designed triangular frame structure is stronger and more impact resistant.

整体结构采用高强度合金铸造, 强度和寿命相比传统板材焊接提升1.5倍, 剪鄂采用特殊设计的三角形框架结构, 强度和耐冲击性更强。

The crusher provides two drive modes: hydraulic drive and mechanical drive. The crusher can provide a wide range of application and also can rotate 360° degrees freely.

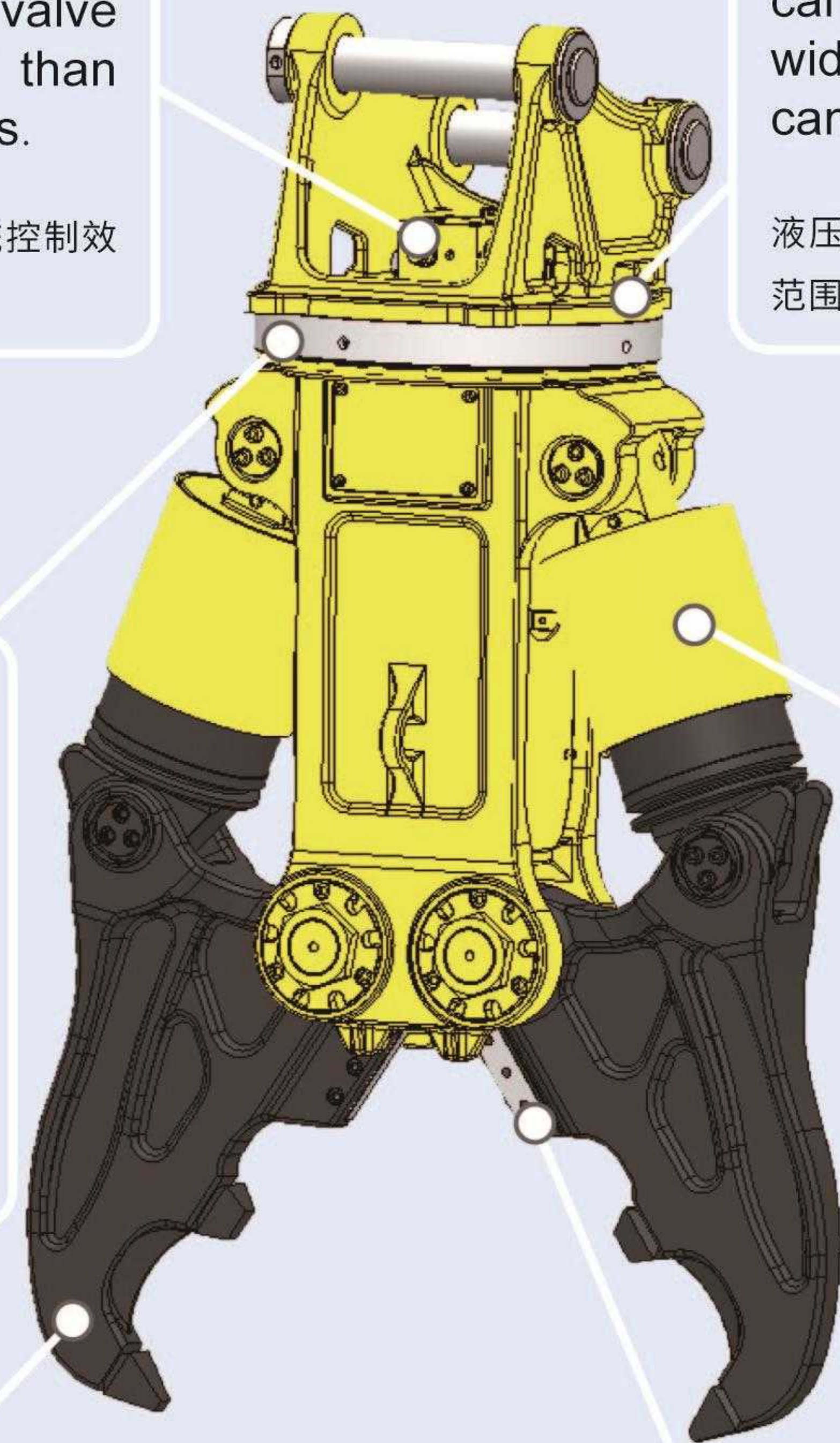
液压驱动和机械制动两种驱动方式可供选择, 适用范围广, 可360°无限制自由旋转。

Adopt high-strength special oil cylinder, key components adopt integral forging process, high strength (pressure resistance 60Mpa).

采用高强度特质油缸, 关键部件采用整体锻造工艺, 强度高(耐压压力60Mpa)。

The blade is made of special wear-resistant alloy, with high strength, high toughness, long life, independent installation each side could be used alternately, easy replacement.

刀片采用特殊耐磨合金和热处理工艺制作, 强度高、韧性好、寿命长, 独立安装方式可多边使用, 更换简单方便。



### Specifications 技术参数

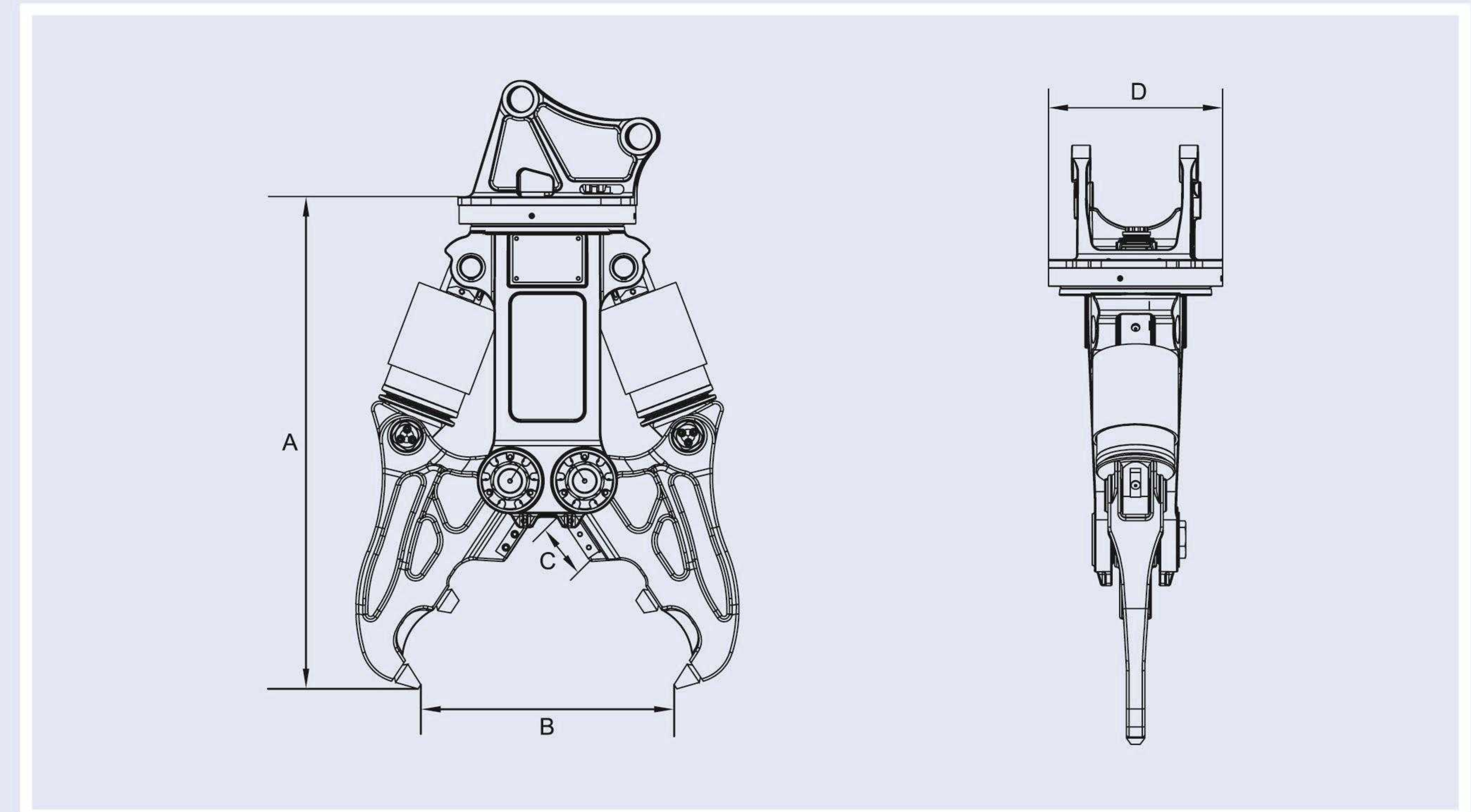
FC10D

FC15D

FC20D

Outline Dimension 外形尺寸	A	1227 mm	1800 mm	2043 mm
	B	620 mm	950 mm	1100 mm
	C	125 mm	185 mm	200 mm
	D	486 mm	662 mm	732 mm
Weight	重量	650 kg	1800 kg	2570 kg
Shear Working Pressure	剪切工作压力	200-300 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>
Shear Working Flow	剪切工作流量	60-120 lpm	140-240 lpm	180-240 lpm
Rotating Working Pressure	旋转工作压力	60-90 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>
Rotating Working Flow	旋转工作流量	30-50 lpm	40-60 lpm	40-60 lpm
Cutting Oil Port	剪切部分油口	G3/4"	G1"	G1"
Rotating Oil Port	旋转部分油口	G3/8"	G3/8"	G3/8"
Suitable Carrier	适配挖机吨位	11-16 ton	17-25 ton	26-35 ton
Working Mode	工作模式	Mechanical or hydraulic type, 360° free rotation. 机械回转或液压回转, 360°无限制自由旋转。		

### Outline Dimension 外形尺寸



## Crusher ( CC Type )

### CC型合金铸造液压剪

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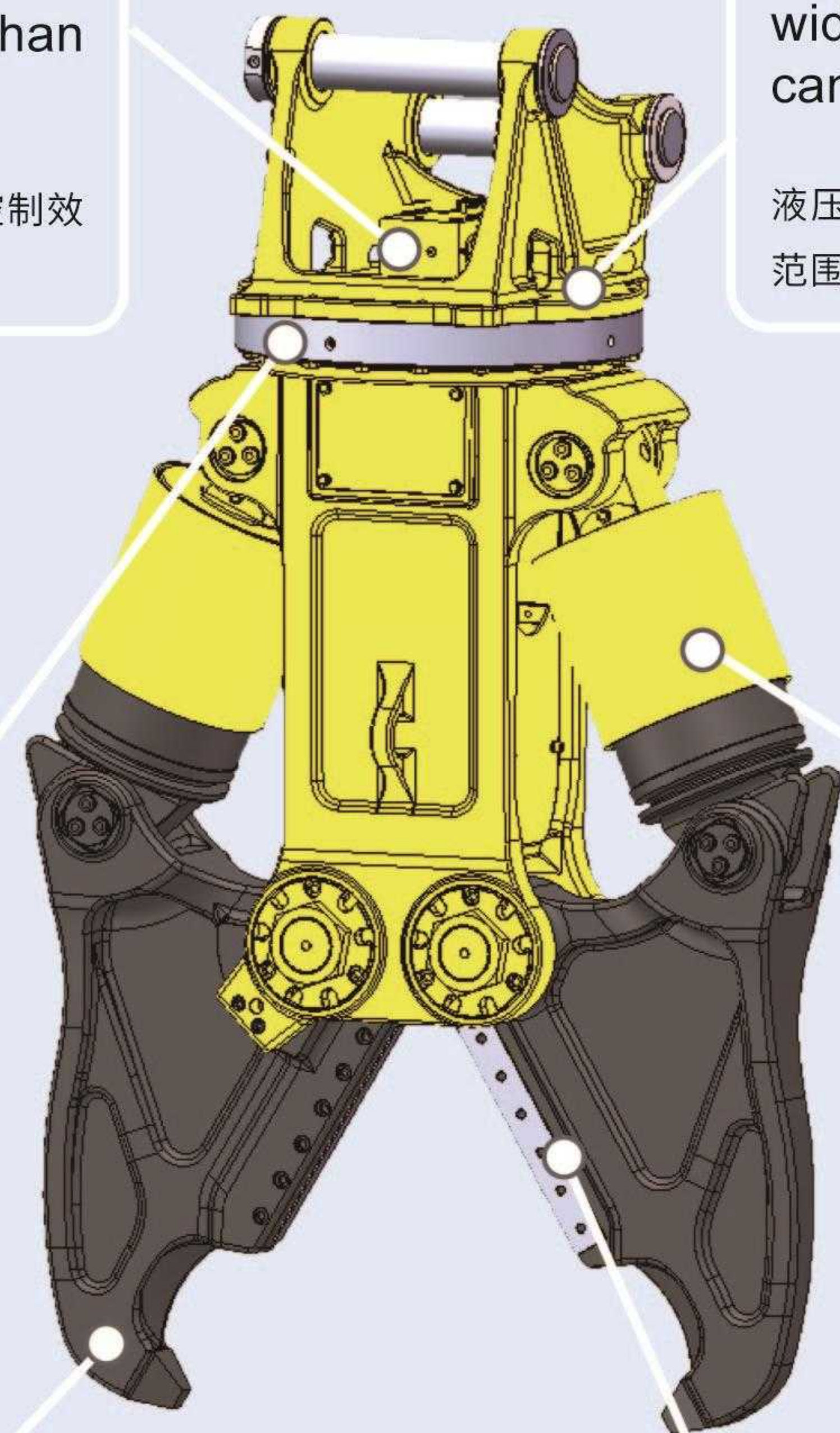
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The crusher provides two drive modes: hydraulic drive and mechanical drive. The crusher can provide a wide range of application and also can rotate 360° degrees freely.

液压驱动和机械制动两种驱动方式可供选择, 适用范围广, 可360°无限制自由旋转。

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### Specifications 技术参数

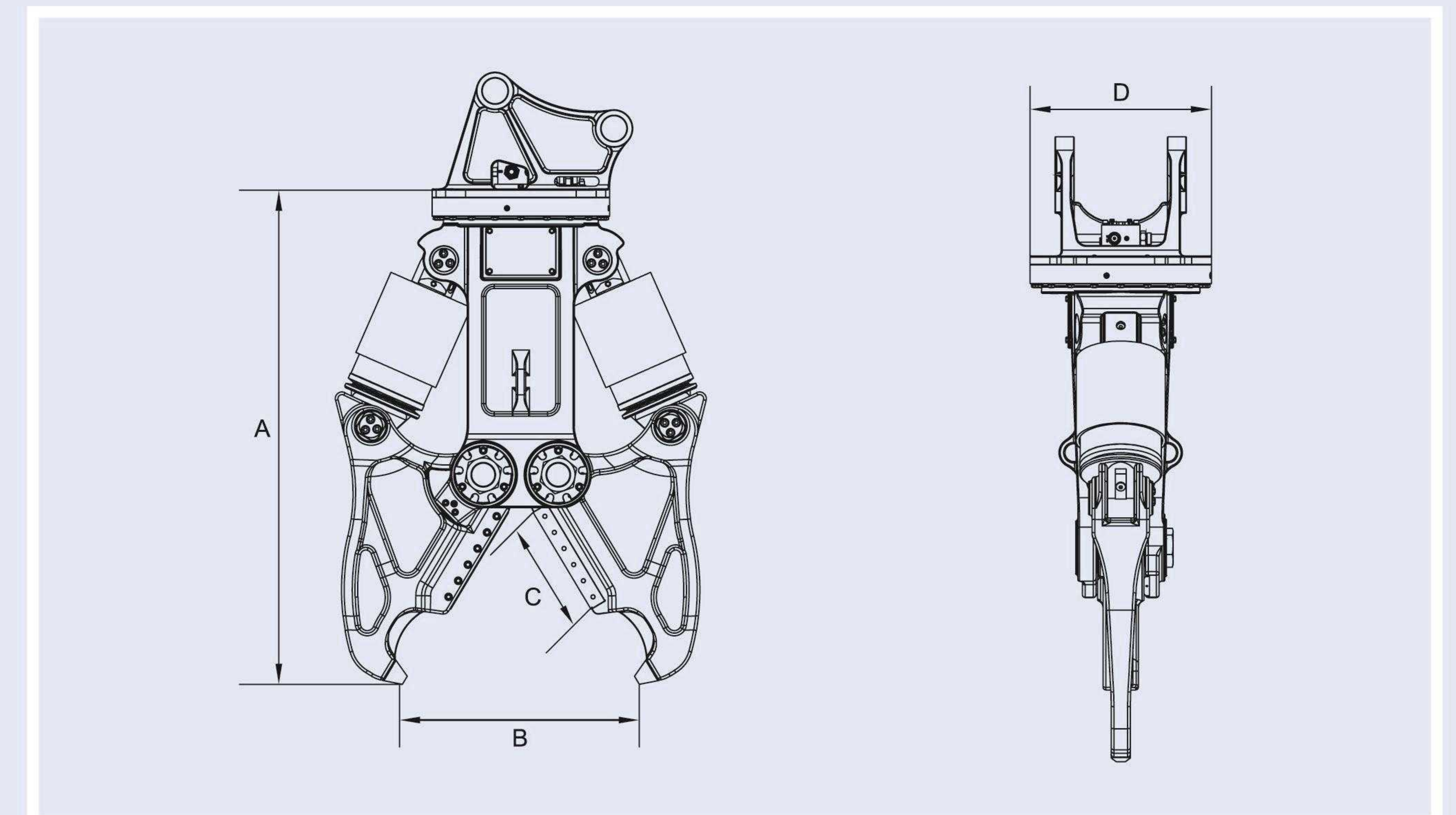
FC08D

FC15D

FC20D

Outline Dimension 外形尺寸		A	B	C	D
Outline Dimension	A	1155 mm	1815 mm	2008 mm	
	B	550 mm	850 mm	1000 mm	
	C	240 mm	420 mm	480 mm	
	D	486 mm	662 mm	732 mm	
Weight	重量	535 kg	1895 kg	2550 kg	
Shear Working Pressure	剪切工作压力	180-250 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>	
Shear Working Flow	剪切工作流量	50-100 lpm	140-240 lpm	180-240 lpm	
Rotating Working Pressure	旋转工作压力	60-90 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>	
Rotating Working Flow	旋转工作流量	30-50 lpm	40-60 lpm	40-60 lpm	
Cutting Oil Port	剪切部分油口	G3/4"	G1"	G1"	
Rotating Oil Port	旋转部分油口	G3/8"	G3/8"	G3/8"	
Suitable Carrier	适配挖机吨位	5-10 ton	17-25 ton	26-35 ton	
Working Mode	工作模式	Mechanical or hydraulic type, 360° free rotation. 机械回转或液压回转, 360°无限制自由旋转。			

### Outline Dimension 外形尺寸



## Hydraulic Shear

### 液压剪

The efficiency of Independent research and development of large-flow acceleration valve is 1.2-1.5 times higher than traditional control devices.

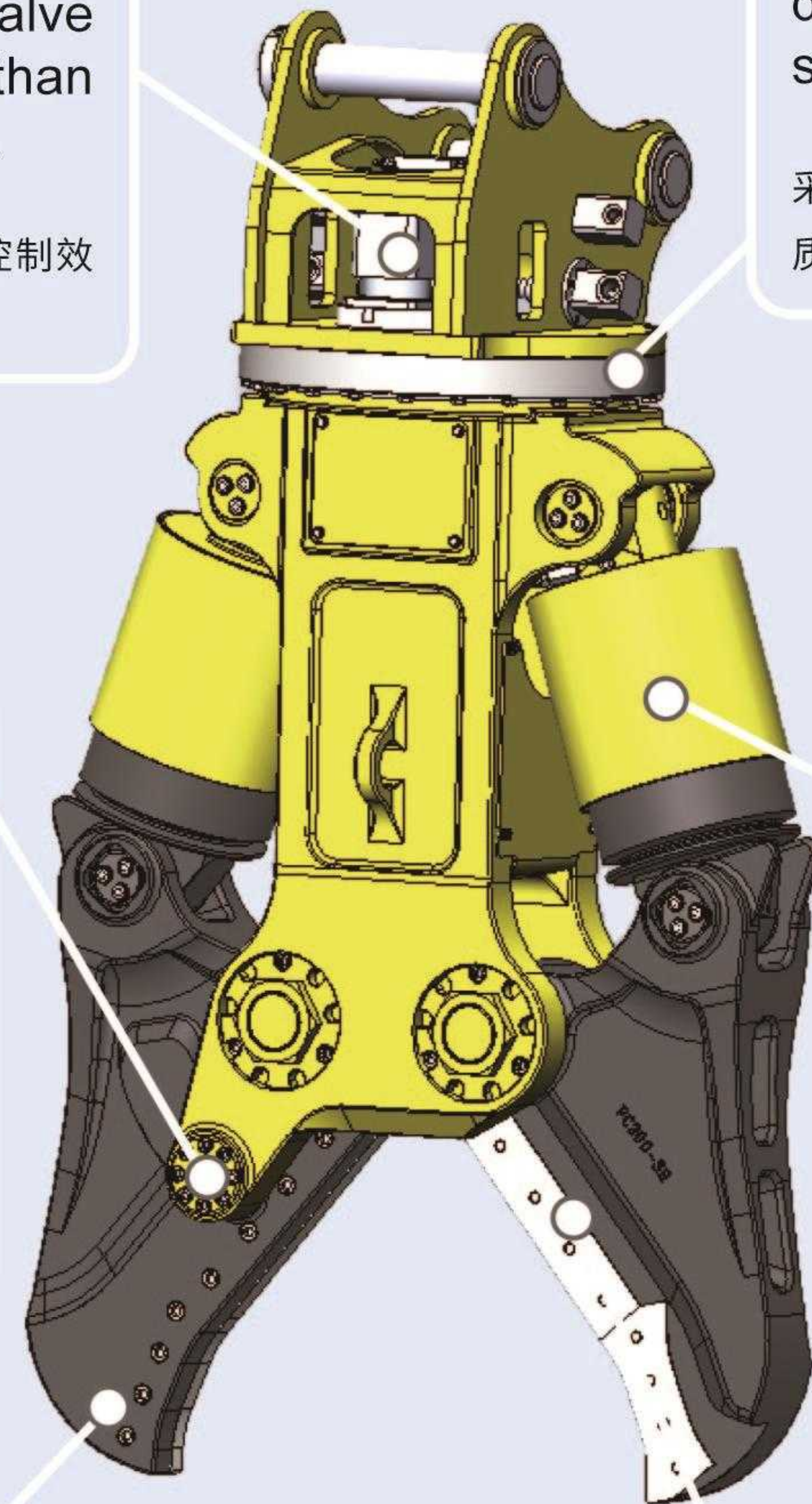
自主研发大流量加速阀, 同比传统控制效率提升1.2-1.5倍。

High-strength extended support structure provides strong support for the jaws during cutting the large-scale steel structures.

高强度延长式支撑结构为鄂口剪切大型钢结构时提供有力支撑。

The whole structure is made of high-strength alloy casting, and the strength is increased by 1.5 times compared with the traditional plate welding structure. Specially designed triangular frame structure is stronger and more impact resistant.

整体结构采用高强度合金铸造, 强度和寿命相比传统板材焊接提升1.5倍, 剪鄂采用特殊设计的三角形框架结构, 强度和耐冲击性更强。



Adopting hydraulic 360-degree slewing mechanism, and imported large displacement motor, the system is stable and the service life is long.

采用液压式360°无限制回转; 进口大排量马达和高品质的回转机构, 系统稳定, 寿命长。

Adopt high-strength special oil cylinder, key components adopt integral forging process, high strength (pressure resistance 60Mpa).

采用高强度特质油缸, 关键部件采用整体锻造工艺, 强度高(耐压压力60Mpa)。

The blade is made of special wear-resistant alloy, with high strength, high toughness, long life, independent installation each side could be used alternately, easy replacement.

刀片采用特殊耐磨合金和热处理工艺制作, 强度高、韧性高、寿命长, 独立安装方式可多边使用, 更换简单方便。

### Specifications 技术参数

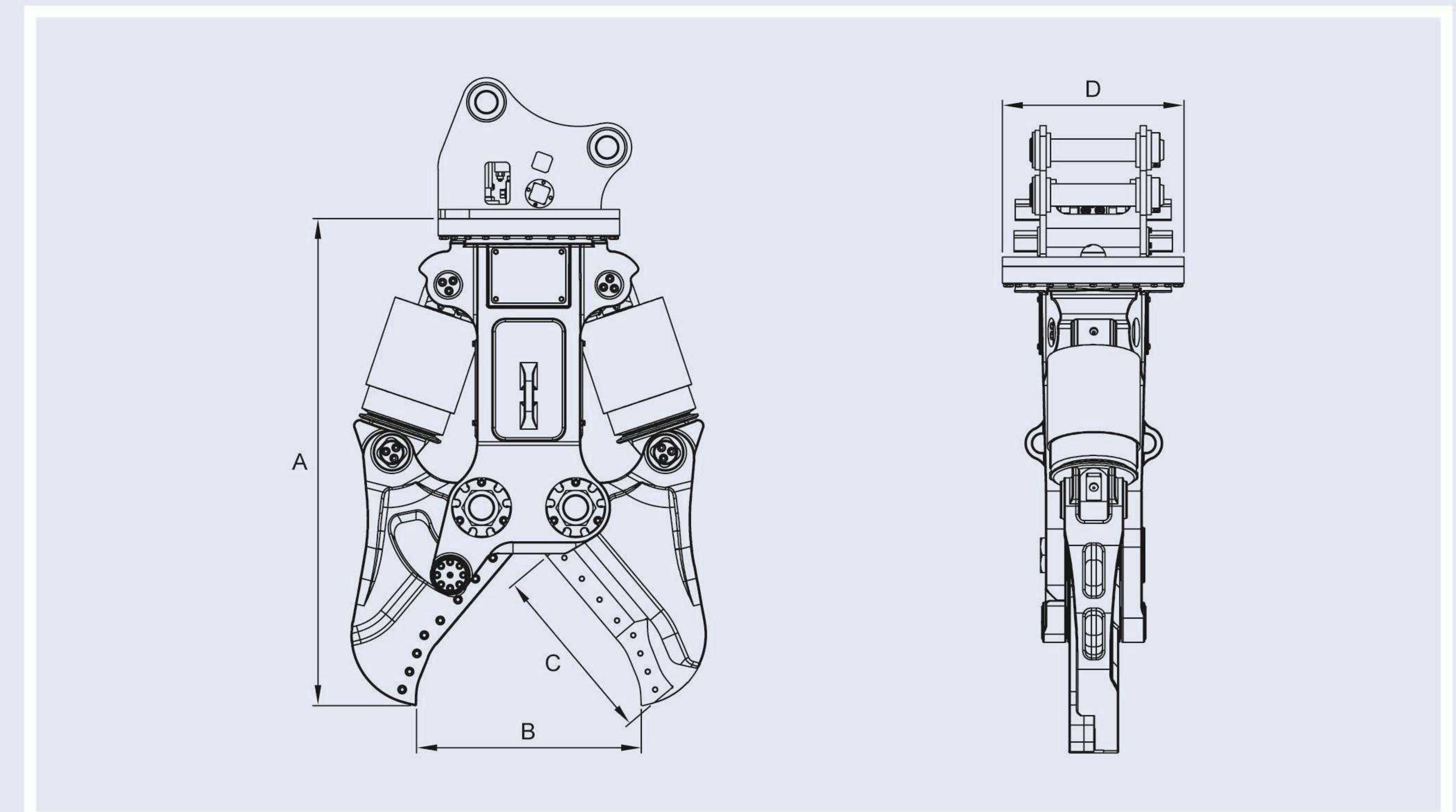
FC08D

FC15D

FC20D

Outline Dimension 外形尺寸		A	B	C	D
Weight 重量		1188 mm	360 mm	380 mm	486 mm
Shear Working Pressure 剪切工作压力		1790 mm	770 mm	660 mm	662 mm
Shear Working Flow 剪切工作流量		2015 mm	900 mm	730 mm	732 mm
Rotating Working Pressure 旋转工作压力		530 kg	2200 kg	2940 kg	
Rotating Working Flow 旋转工作流量		180-250 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>	
Cutting Oil Port 剪切部分油口		50-100 lpm	140-240 lpm	180-240 lpm	
Rotating Oil Port 旋转部分油口		60-90 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>	
Suitable Carrier 适配挖机吨位		30-50 lpm	40-60 lpm	40-60 lpm	
Working Mode 工作模式		G3/4"	G1"	G1"	
		G3/8"	G3/8"	G3/8"	
		5-10 ton	17-25 ton	26-35 ton	
		Hydraulic type, 360° free rotation. 液压回转, 360°无限制自由旋转。			

### Outline Dimension 外形尺寸



## Hydraulic Pulverizer ( Fixed Type )

### 二次粉碎钳(固定式)

The efficiency of Independent research and development of large-flow acceleration valve is 1.2-1.5 times higher than traditional control devices.

自主研发大流量加速阀, 同比传统控制效率提升1.2-1.5倍。

The ultra high pressure hydraulic cylinder: The cylinder part adopts alloy forging and advanced heat treatment technology, and the compressive strength can reach 60MPa.

超高压液压油缸: 油缸部件用采合金锻打和先进的热处理工艺, 耐压强度可达到60MPa。

The special welding process of steel plate greatly improves the welding quality of the jaws.

特殊钢板焊接工艺, 大大提高了颞口的焊接质量。

The diversified tooth plate has dense bite, which can make small particle size crushed.

多样化牙盘, 咬合紧实, 粉碎粒径小。

The jaw blade can be replaced and reversed at any based on an independent installation design, and the special fixing method can make the blade easily removed and also guarantee the cutting strength.

颞口刀片采用独立安装设计可随时更换反转, 特殊固定方式, 既方便拆卸又能保证剪断强度。

The movable jaw plate and fixed jaw plate are made of imported HARDOX steel, so the jaw plates are with light weight, high strength and strong wear resistance.

可动颞牙盘和固定颞牙盘采用进口HARDOX钢材制作, 质地轻、强度高、耐磨性强。



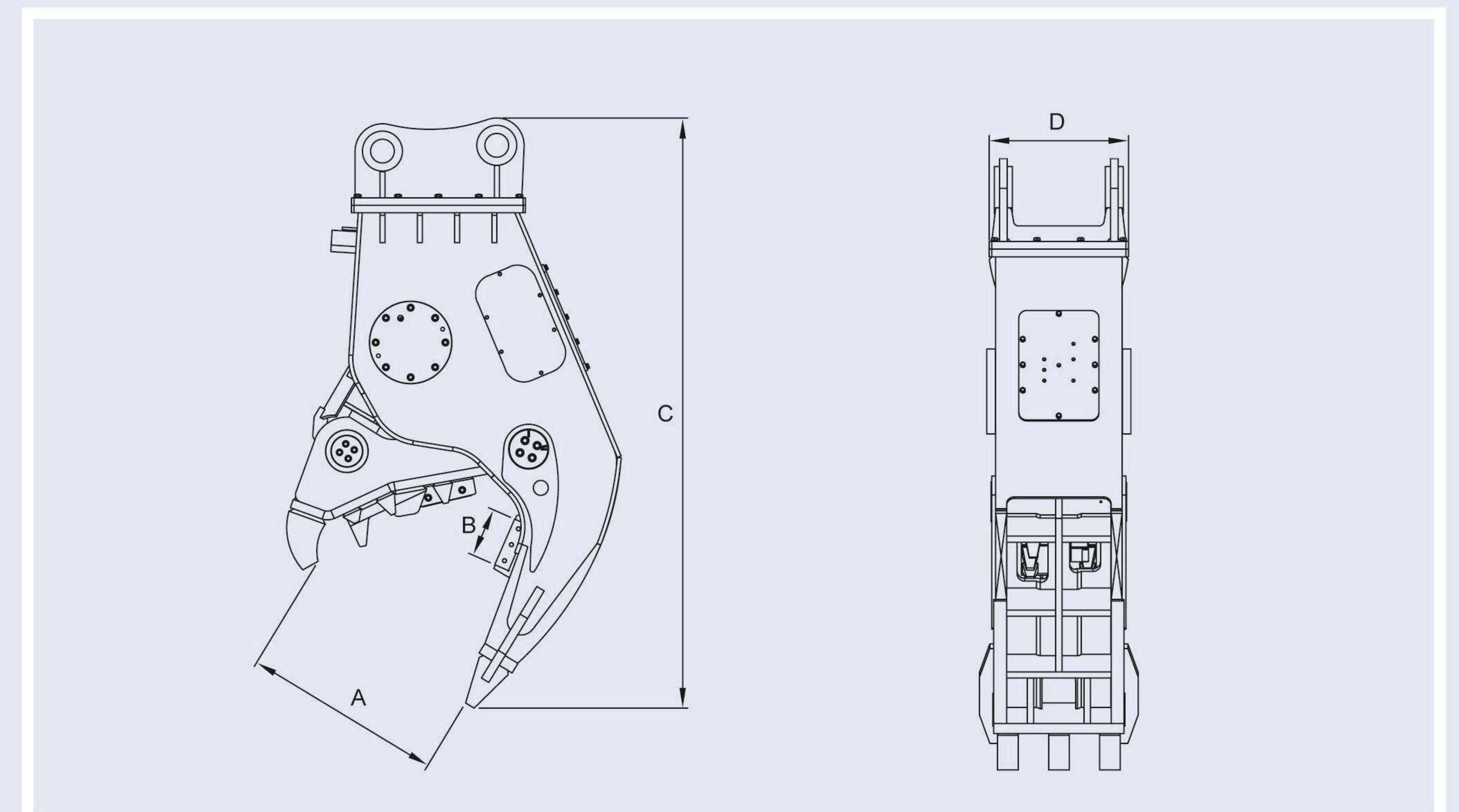
### Specifications 技术参数

FP20

FP30

Outline Dimension 外形尺寸	A	850 mm	1150 mm
	B	200 mm	240 mm
	C	2065 mm	2540 mm
	D	610 mm	758 mm
Total Weight	重量	1965 kg	3500 kg
Cutting Force (average)	剪切力(平均)	1600 kN	2870 kN
Smash force (end)	粉碎力(末端)	650 kN	1150 kN
Closing Working Pressure	闭合工作压力	300-350 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>
Closing Working Flow	闭合工作流量	180-240 lpm	200-250 lpm
Suitable Carrier	适配挖机	18-27 ton	28-45 ton
Working Mode	工作模式	Fixed/固定式	Fixed/固定式

### Outline Dimension 外形尺寸





## Hydraulic Pulverizer ( Rotary Type )

### 二次粉碎钳(回转式)

The efficiency of Independent research and development of large-flow acceleration valve is 1.2-1.5 times higher than traditional control devices.

自主研发大流量加速阀, 同比传统控制效率提升1.2-1.5倍。

The ultra high pressure hydraulic cylinder: The cylinder part adopts alloy forging and advanced heat treatment technology, and the compressive strength can reach 60MPa.

超高压液压油缸: 油缸部件用合金锻打和先进的热处理工艺, 耐压强度可达到60MPa。

The special welding process of steel plate greatly improves the welding quality of the jaws.

特殊钢板焊接工艺, 大大提高了颞口的焊接质量。

The diversified tooth plate has dense bite, which can make small particle size crushed.

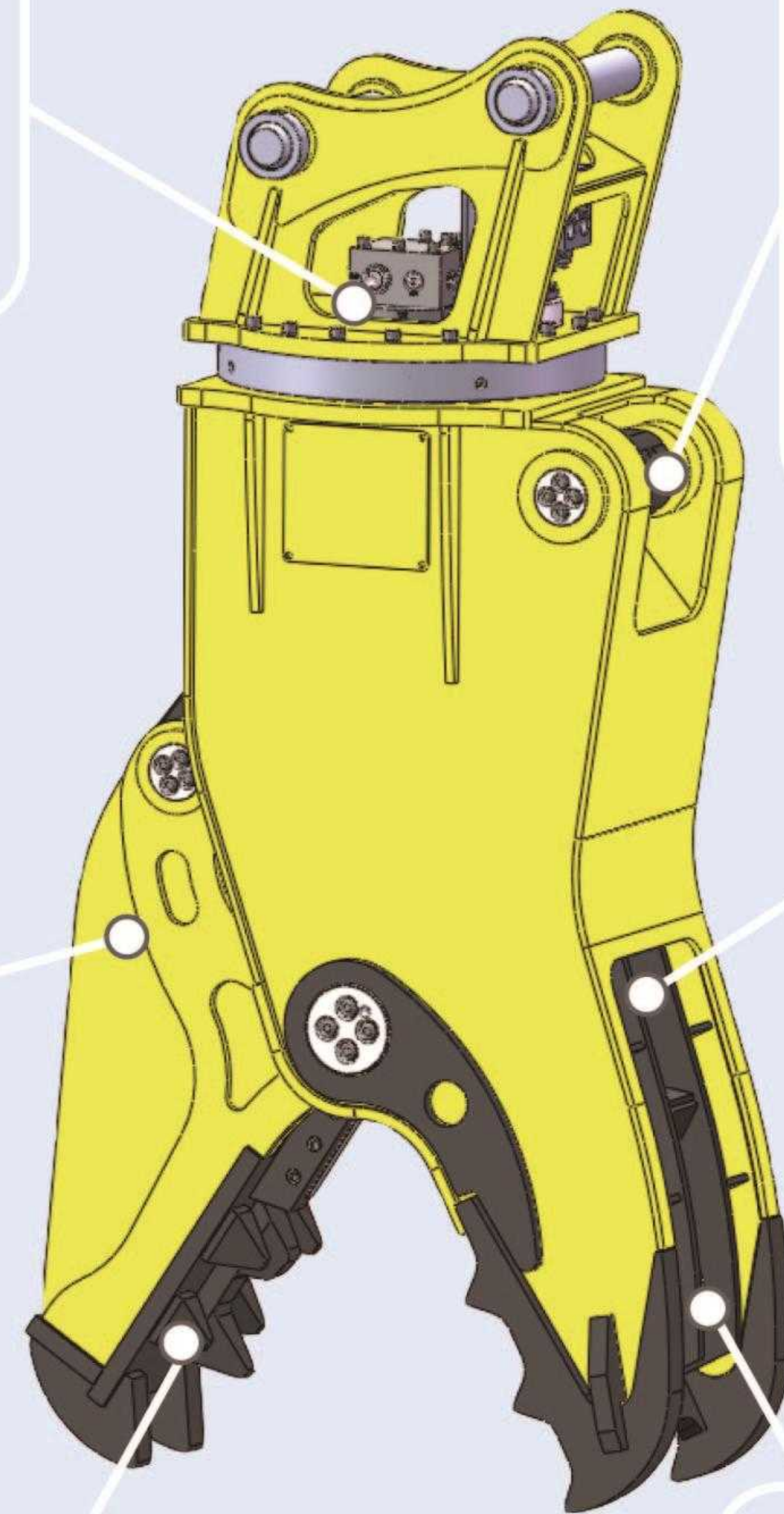
多样化牙盘, 咬合紧实, 粉碎粒径小。

The jaw blade can be replaced and reversed at any based on an independent installation design, and the special fixing method can make the blade easily removed and also guarantee the cutting strength.

颞口刀片采用独立安装设计可随时更换反转, 特殊固定方式, 既方便拆卸又能保证剪断强度。

The movable jaw plate and fixed jaw plate are made of imported HARDOX steel, so the jaw plates are with light weight, high strength and strong wear resistance.

可动颞牙盘和固定颞牙盘采用进口HARDOX钢材制作, 质地轻、强度高、耐磨性强。

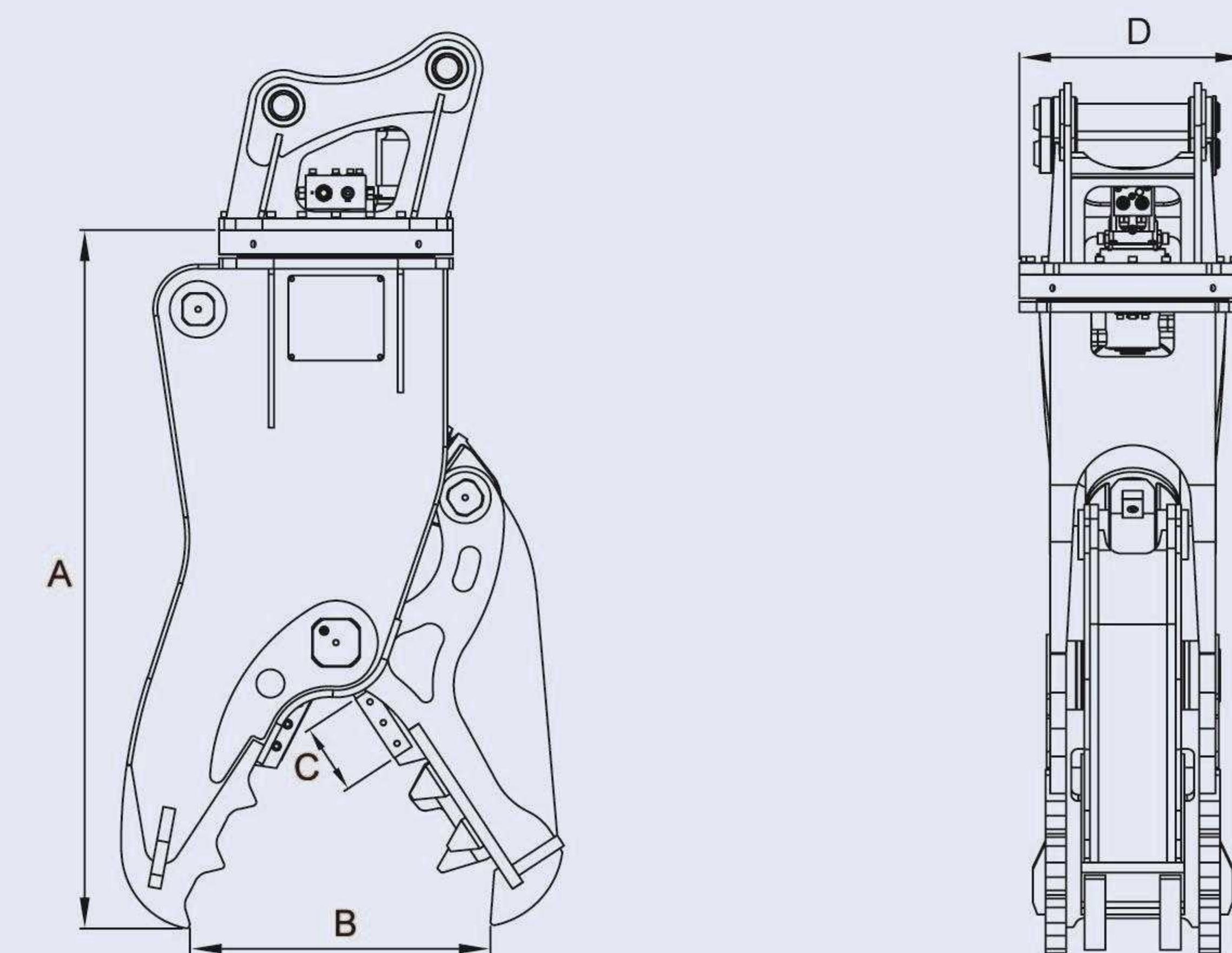


### Specifications 技术参数

### FRP20

Outline Dimension 外形尺寸	A	1980 mm
	B	850 mm
	C	200 mm
	D	662 mm
Opening Width	最大开口	850 mm
Total Weight	重量	2020 kg
Cutting Force (average)	剪切力(平均)	2720 kN
Smash force (end)	粉碎力(末端)	800 kN
Closing Working Pressure	闭合工作压力	300-350 kg/cm <sup>2</sup>
Closing Working Flow	闭合工作流量	180-240 lpm
Rotating Working Pressure	旋转工作压力	140-160 kg/cm <sup>2</sup>
Rotating Working Flow	旋转工作流量	40-60 lpm
Suitable Carrier	适配挖机	20-30 ton
Working Mode	工作模式	Rotary/回转式

### Outline Dimension 外形尺寸



## Car Dismantling Shear

### 拆车剪

The efficiency of Independent research and development of large-flow acceleration valve is 1.2-1.5 times higher than traditional control devices.

自主研发大流量加速阀, 同比传统控制效率提升1.2-1.5倍。

To use imported HARDOX wear-resistant steel, light texture, high strength, strong wear resistance.

采用进口HARDOX耐磨钢材, 质地轻、强度高、耐磨性强。

Concave-convex structure of the teeth can effectively clamp the disassemble objects, so the shear can be widely used in automotive and large hydraulic container demolition and decomposition.

凹凸构造的牙齿可有效夹住拆卸物, 广泛应用于汽车及大型液压容器的破拆分解。



The use of imported motors and high-quality rotary mechanisms improves the life of the rotary device and the stability of the system. It can rotate 360° degrees freely.

采用进口马达和高品质的回转结构, 提高了回转装置的使用寿命和系统的稳定性, 可360°无限制自由回转。

Large cylinder design, strong shear force.

超大油缸设计, 剪切力强。

The tailor-made high strength alloy blade adopts a special fixing method, so the blade can be easily removed and also ensure its cutting strength.

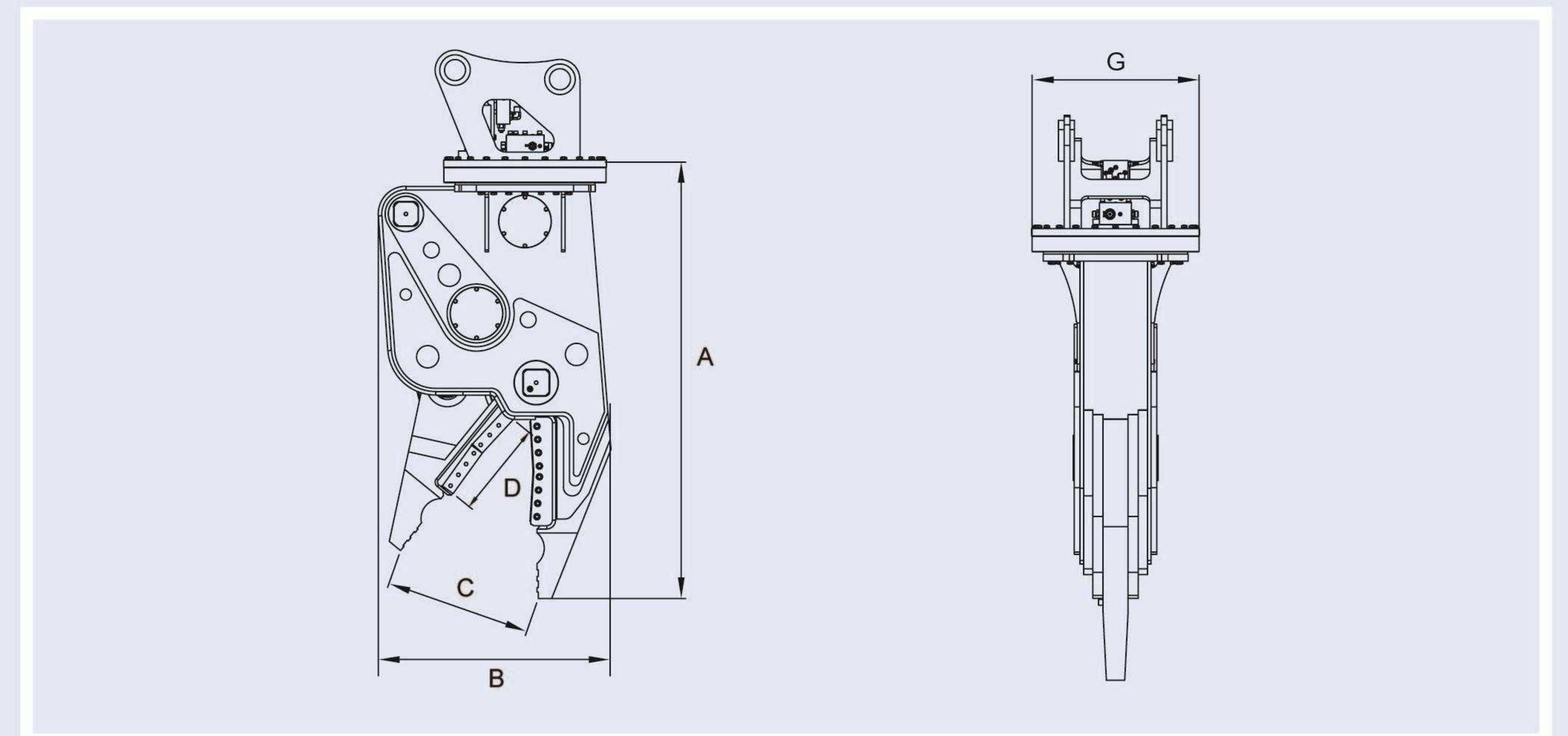
特质高强度合金刀片采用特殊固定方式, 既方便拆卸又能保证剪断强度。

### Specifications 技术参数

### FCP20

Outline Dimension 外形尺寸	A	1950 mm
	B	1055 mm
	C	660 mm
	D	450 mm
	G	735 mm
Opening Width	最大开口	660 mm
Total Weight	重量	2050 kg
Cutting Force (Max)	最大剪切力	2480 KN
Closing Working Pressure	闭合工作压力	300-350 Kg/cm <sup>2</sup>
Closing Working Flow	闭合工作流量	180-240 lpm
Rotating Working Pressure	旋转工作压力	120-160 kg/cm <sup>2</sup>
Rotating Working Flow	旋转工作流量	40-60 lpm
Cutting Oil Port	剪切部分油口	G1"
Rotating Oil Port	旋转部分油口	G3/8"
Suitable Carrier	适配挖机	20-30 ton
Working Mode	工作模式	Hydraulic rotation, 360° free rotation 液压回转, 360°任意角度自由旋转

### Outline Dimension 外形尺寸



## Eagle Shear

### 鹰嘴剪

The High-strength support structure provides support during shearing large pieces.

高强度支撑结构,为剪切大型钢结构时提供有力支撑。

The efficiency of Independent research and development of large-flow acceleration valve is 1.2-1.5 times higher than traditional control devices.

自主研发大流量加速阀,同比传统控制效率提升1.2-1.5倍。

Adopting hydraulic 360-degree slewing mechanism, and imported large displacement motor, the system is stable and the service life is long.

采用液压式360°无限制回转:进口大排量马达和高品质的回转机构,系统稳定,寿命长。

The external pipeline connection method is adopted, the pipeline installation is convenient, and it is not easy to wear.

采用外置式管路连接方式,管路安装方便,不易磨损。

The blade is imported from Germany, the strength and wear resistance are greatly improved, and the service life is long.

采用德国进口材质对比国内产品材质强度和耐磨大幅度提升,使用寿命长。

The whole body is designed with box structure, it is of light weight and high resistance.

主体采用箱式结构设计,重量轻,整体强度高。

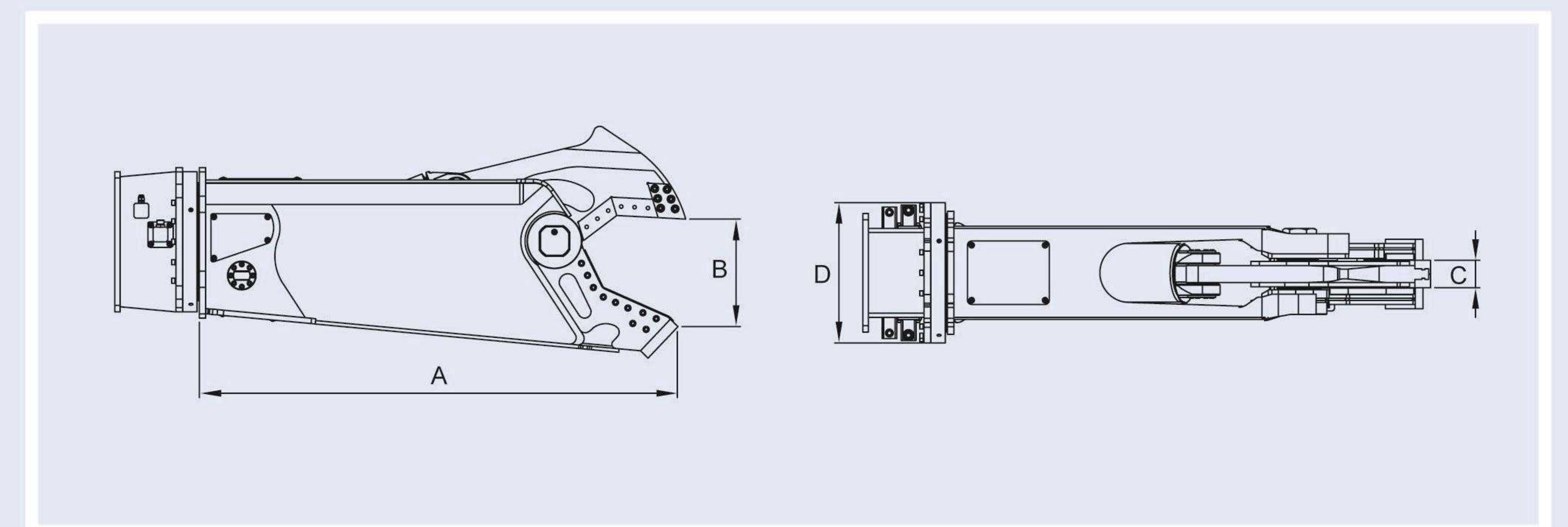
### Cutting Capacity 剪切能力

Type	Symbol	FCS08	FCS15	FCS20	FCS30
Round Steel	●	50 mm	50 mm	60 mm	70 mm
Pipe	○	244*9	244*9	265*9	380*9.5
Steel Plate	—	10 mm	10 mm	12 mm	16 mm
Square Steel	■	50 mm	50 mm	55 mm	65 mm
I Type Steel	⊏	28b	28b	36c	45c
H Type Steel	⊏	HM-244×175×7×11×13	HM-244×175×7×11×13	HM-340×250×9×14×13	HM-390×300×10×16×13

### Specifications 技术参数

		FCS08	FCS15	FCS20	FCS30
Outline Dimension 外形尺寸	A	1480 mm	1990 mm	2276 mm	2552 mm
	B	317 mm	465 mm	560 mm	656 mm
	C	103 mm	112 mm	130 mm	142 mm
	D	425 mm	616 mm	662 mm	732 mm
Weight	重量	650 kg	1400 kg	2060 kg	2700 kg
Cutting Force (Max)	最大剪切力	2900 kN	3585 kN	4600 kN	6985 kN
Shearing Working Pressure	剪切工作压力	200-300 kg/cm <sup>2</sup>	200-300 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>	300-350 kg/cm <sup>2</sup>
Shearing Working Flow	剪切工作流量	60-120 lpm	140-240 lpm	180-240 lpm	180-240 lpm
Rotary Working Pressure	旋转工作压力	60-90 kg/cm <sup>2</sup>	60-90 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>
Rotary Oil Flow	旋转工作流量	30-50 lpm	30-50 lpm	40-60 lpm	40-60 lpm
Shearing Oil Port	剪切部分油口	G1"	G1/2"	G1"	G1"
Rotary Oil Port	旋转部分油口	G3/8"	G3/8"	G3/8"	G3/8"
Suitable Carrier	适配挖机	6-10 ton	10-16 ton	17-24 ton	25-35 ton
Working Mode	工作模式	Motor driving, 360° free rotation 马达驱动, 360°任意角度自由旋转			

### Outline Dimension 外形尺寸





## Stone Grapple (FGS) 抓石器

## Wood Grapple (FGW) 抓木器

The design of large capacity cylinders with a hydraulic balance system ensures the durability of grabbing.

带液压平衡系统的油缸设计, 保证抓取的可靠性。

The motor adopts double-balance control hydraulic system design to reduce the impact on the motor.

马达双平衡控制液压控制系统的设计, 减少马达的所受到的冲击, 保护马达。

A variety of different functions of the teeth can be applied to different grabbing working conditions.

多种不同功能的抓齿, 可适用于不同的抓取作业环境。

The imported motors and high quality rotary mechanism improve the lifetime of rotary device, the stability of system and can 360°degrees rotate freely.

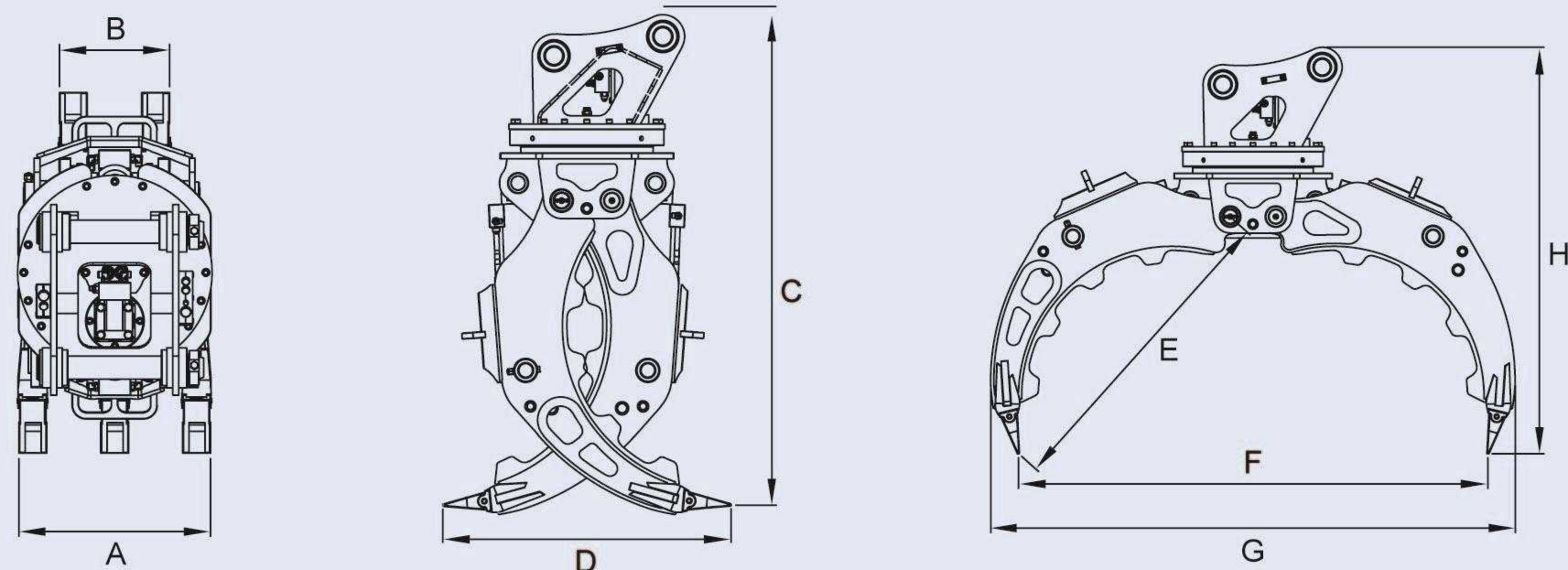
采用进口马达和高品质的回转结构, 提高了回转装置的使用寿命和系统的稳定性, 可360°无限制自由回转。

To use imported HARDOX wear-resistant steel, with light weight, high strength, strong wear resistance.

采用进口HARDOX耐磨钢材, 具有质地轻, 强度高, 耐磨性强的特点。



### Outline Dimension 外形尺寸



### Specifications 技术参数

		FGW(S)03	FGW(S)04	FGW(S)06
Outline Dimension 外形尺寸	A	420 mm	420 mm	550 mm
	B	240 mm	240 mm	320 mm
	C	1270 mm	1250 mm	1730 mm
	D	680 mm	695 mm	735 mm
	E	886 mm	916 mm	1115 mm
	F	1300 mm	1400 mm	1800 mm
	G	1410 mm	1520 mm	1950 mm
	H	1175 mm	1145 mm	1525 mm
Max Opening Width	最大开口	1300 mm	1400 mm	1800 mm
Total Weight	重量	350 kg	390 kg	740 kg
Closing Working Pressure	闭合工作压力	110~140 kg/cm <sup>2</sup>	120~160 kg/cm <sup>2</sup>	150~170 kg/cm <sup>2</sup>
Closing Working Flow	闭合工作流量	30~55 lpm	50~100 lpm	90~110 lpm
Rotating Working Pressure	旋转工作压力	60~90 kg/cm <sup>2</sup>	60~90 kg/cm <sup>2</sup>	140~160 kg/cm <sup>2</sup>
Rotating Working Flow	旋转工作流量	30~50 lpm	30~50 lpm	30~50 lpm
Unload Weight	卸载重量	1500 kg	2000 kg	3000 kg
Suitable Carrier	适配挖机	4-6 ton	7-11 ton	12-16 ton

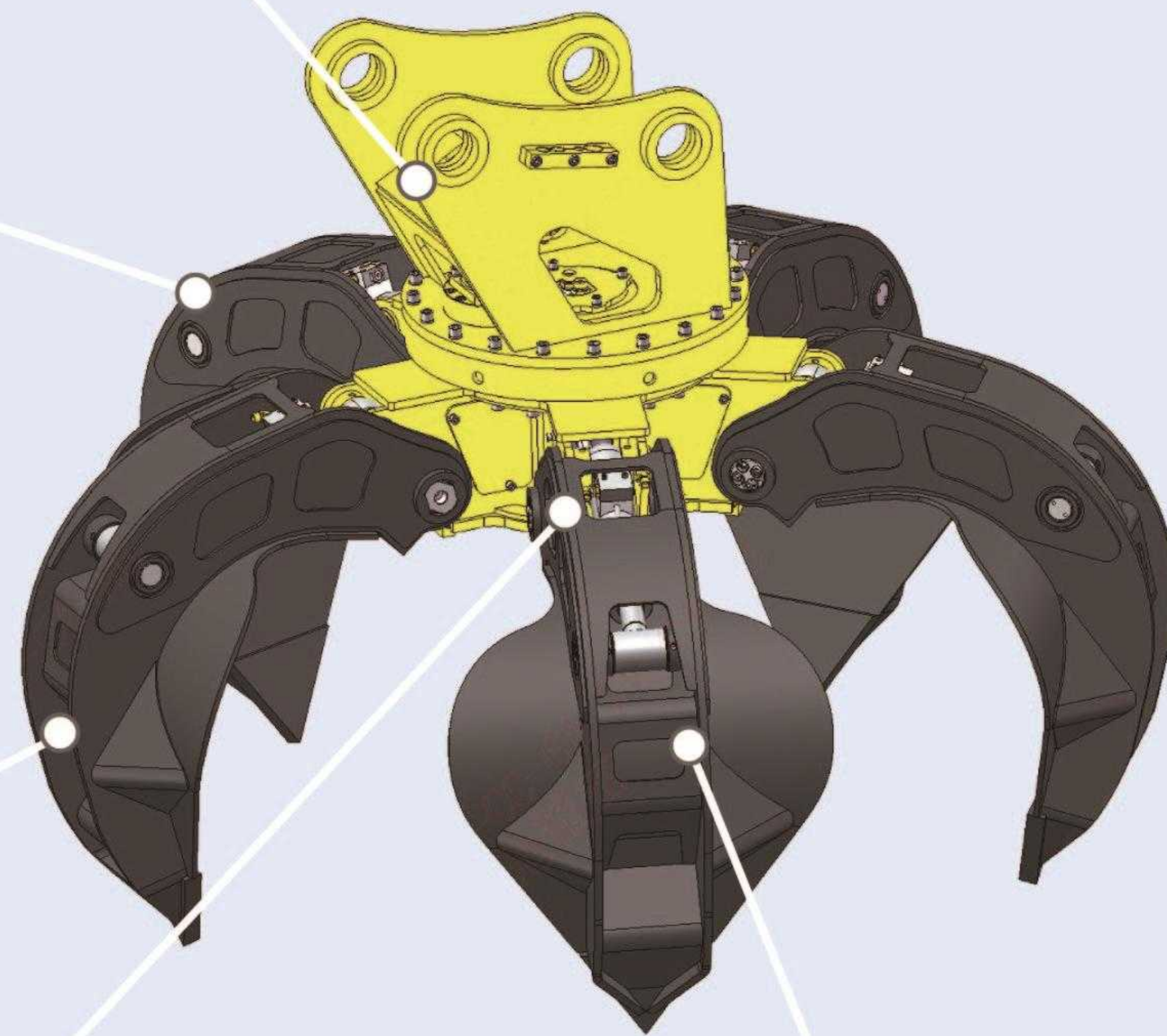
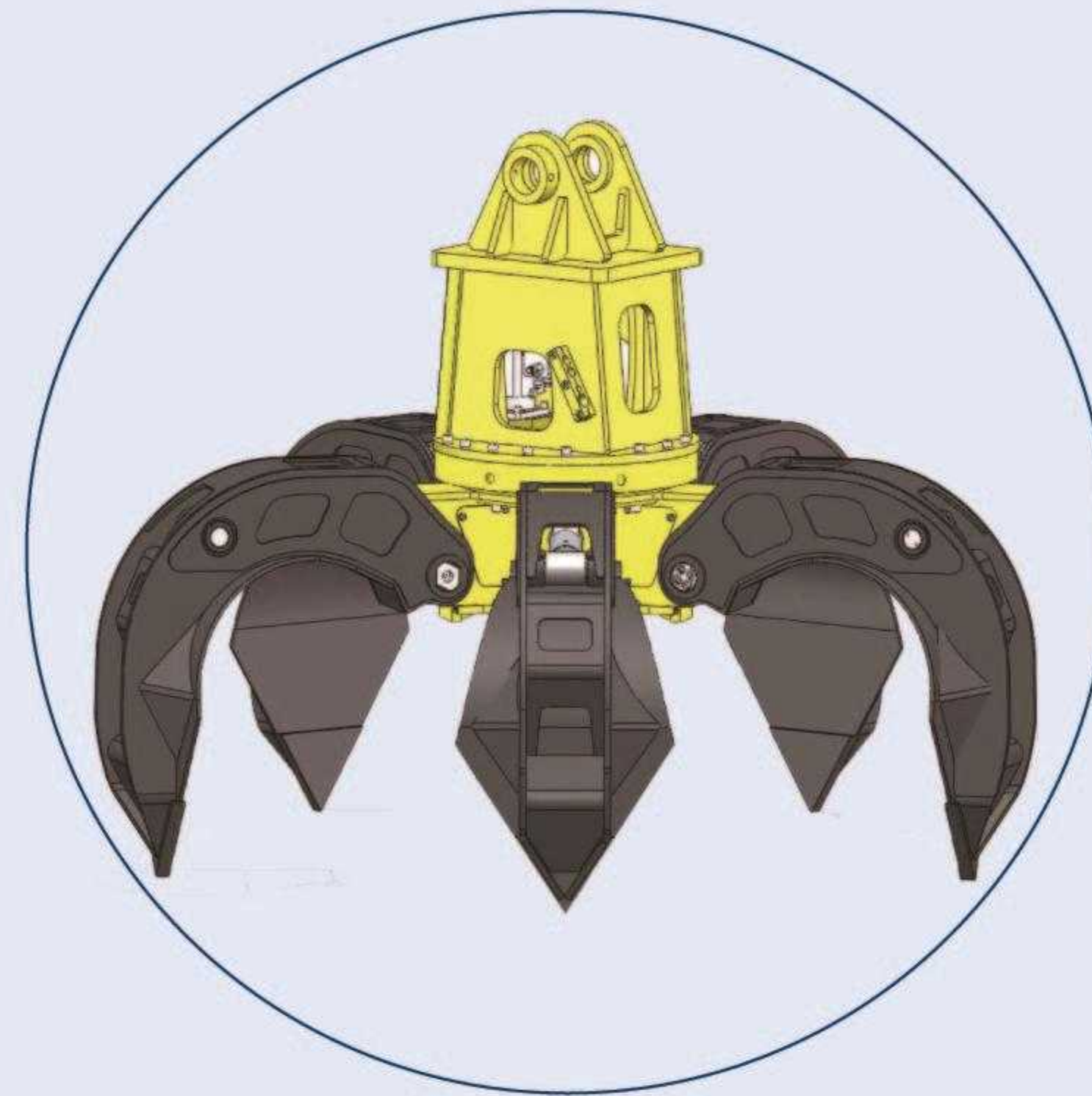
### Specifications 技术参数

		FGW(S)08	FGW(S)10
Outline Dimension 外形尺寸	A	660 mm	750 mm
	B	380 mm	420 mm
	C	2110 mm	2230 mm
	D	1240 mm	1325 mm
	E	1500 mm	1595 mm
	F	2300 mm	2500 mm
	G	2470 mm	2790 mm
	H	1920 mm	2095 mm
Max Opening Width	最大开口	2300 mm	2500 mm
Total Weight	重量	1380 kg	1700 kg
Closing Working Pressure	闭合工作压力	160~180 kg/cm <sup>2</sup>	160~180 kg/cm <sup>2</sup>
Closing Working Flow	闭合工作流量	100~140 lpm	130~170 lpm
Rotating Working Pressure	旋转工作压力	140~160 kg/cm <sup>2</sup>	140~160 kg/cm <sup>2</sup>
Rotating Working Flow	旋转工作流量	40~60 lpm	40~60 lpm
Unload Weight	卸载重量	5000 kg	8000 kg
Suitable Carrier	适配挖机	17-23 ton	24-30 ton

## Orange Peel Grapple 橘瓣抓

## Steel Scrap Grab 废钢抓

H type



Optimizing the movement of oil cylinder can maximize the grabbing weight within the effective grabbing range and thereby shorten the machine running time, which improves work efficiency.

优化油缸动作, 实现有效抓载范围内抓载重量最大化, 从而缩短机械运行时间, 提高工作效率。

The design of the claw structure is optimized to realize the minimum weight and maximum grab load at the same level.

抓爪结构设计优化, 实现同级别最小重量、最大抓载开档。

The specially designed meshing gear improves the bearing strength of gear, the load distribution during movement, the accuracy and stability of the transmission.

特殊设计的啮合齿轮, 改善了齿轮的承载强度、运动过程中的载荷分布以及传动的准确性和平稳性。

The specially designed oil separator and flow control valve ensures the stability and synchronization of the entire hydraulic system.

特殊设计的分油器和流量控制阀保证了整个液压系统的稳定性及同步性。

The special wear-resistant steel plate welding process not only improves the wear resistance of the claw, but also ensures the overall welding quality.

特殊耐磨钢板焊接工艺, 既提高了抓爪耐磨强度, 又保证了整体的焊接质量。

### Specifications 技术参数

		FOG06H	FOG08H	FOG10H
Maximum Opening	最大开口	1650 mm	1850 mm	2050 mm
Weight	重量	800 kg	1250 kg	1530 kg
Operation Pressure (Closed)	工作压力(闭合)	140-180 kg/cm <sup>2</sup>	160-200 kg/cm <sup>2</sup>	160-200 kg/cm <sup>2</sup>
Operation Flow (Closed)	工作流量(闭合)	80-120 L/min	100-140 L/min	130-180 L/min
Operation Pressure (Rotating)	工作压力(旋转)	80-120 kg/cm <sup>2</sup>	80-120 kg/cm <sup>2</sup>	80-120 kg/cm <sup>2</sup>
Operation Flow (Rotating)	工作流量(旋转)	30-50 L/min	30-50 L/min	30-50 L/min
Grab Weight	抓载重量	1000 kg	1400 kg	1500 kg
Number of Peels	瓣数	5	5	5
Suitable Carrier	适配挖机	10-16 ton	17-24 ton	25-35 ton

### Specifications 技术参数

		FOG06	FOG08	FOG10
Maximum Opening	最大开口	1650 mm	1850 mm	2050 mm
Weight	重量	800 kg	1250 kg	1530 kg
Operation Pressure (Closed)	工作压力(闭合)	140-180 kg/cm <sup>2</sup>	160-200 kg/cm <sup>2</sup>	160-200 kg/cm <sup>2</sup>
Operation Flow (Closed)	工作流量(闭合)	80-120 L/min	100-140 L/min	130-180 L/min
Operation Pressure (Rotating)	工作压力(旋转)	80-120 kg/cm <sup>2</sup>	80-120 kg/cm <sup>2</sup>	80-120 kg/cm <sup>2</sup>
Operation Flow (Rotating)	工作流量(旋转)	30-50 L/min	30-50 L/min	30-50 L/min
Grab Weight	抓载重量	1100 kg	1500 kg	1700 kg
Number of Peels	瓣数	5	5	5
Suitable Carrier	适配挖机	10-16 ton	17-24 ton	25-35 ton



**FC type claw**

For scrap and sand



**MO type claw**  
( Steel Scrap Grab )

For gravel and metal scrap



**FO type claw**

For scrap car frame and stone

## Log Grapple

### 原木抓

The imported motor and high-quality rotation mechanism are used to improve the life time of the rotating device and the stability of the system. It can rotate in 360° degrees freely .

采用进口马达和高品质的回转机构,提高了回转装置的使用寿命和系统的稳定性,可360无限制自由回转.

Using imported HARDOX wear-resistant steel, it has the characteristics of light weight, high strength and strong wear resistance.

采用进口HARDOX耐磨钢材,具有质地轻,强度高,耐磨性强的特点.

A variety of gripping teeth with different functions can be applied to different grabbing working conditions.

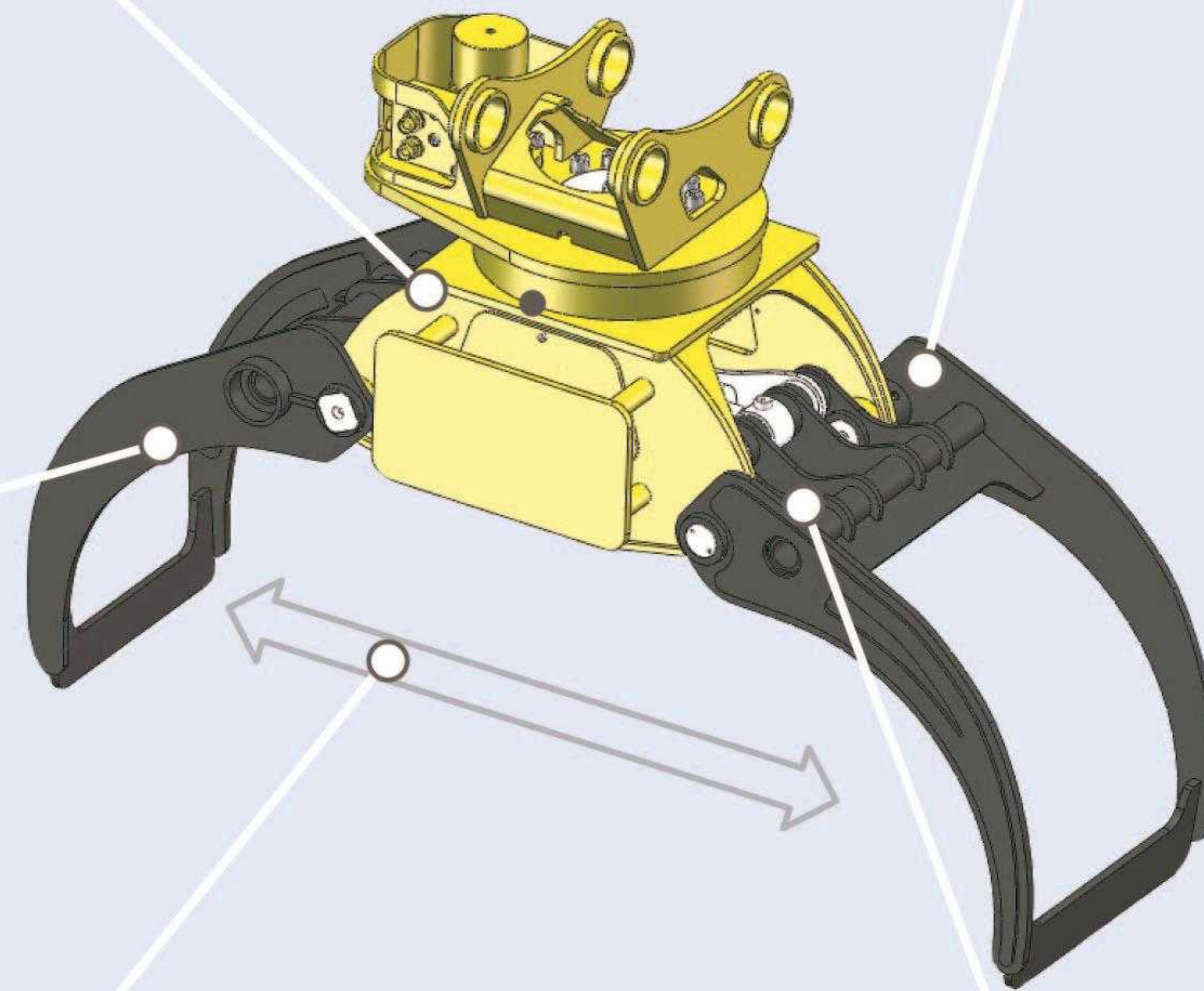
多种不同功能的抓齿,可适用于不同的抓取作业环境.

It has the characteristics of minimum weight but maximum grab opening width, compared to the same level equipment.

有同级别最小重量,最大抓斗开度特点.

To use a special large-capacity oil cylinder to enhance the grasping force, and to prevent the oil cylinder fails during the grabbing process, the safety valve of the oil cylinder is designed to increase the product safety.

使用特质大容量油缸,增强抓载力量;为防止抓载过程中油缸失效,采用油缸安全阀设计增加产品安全性.



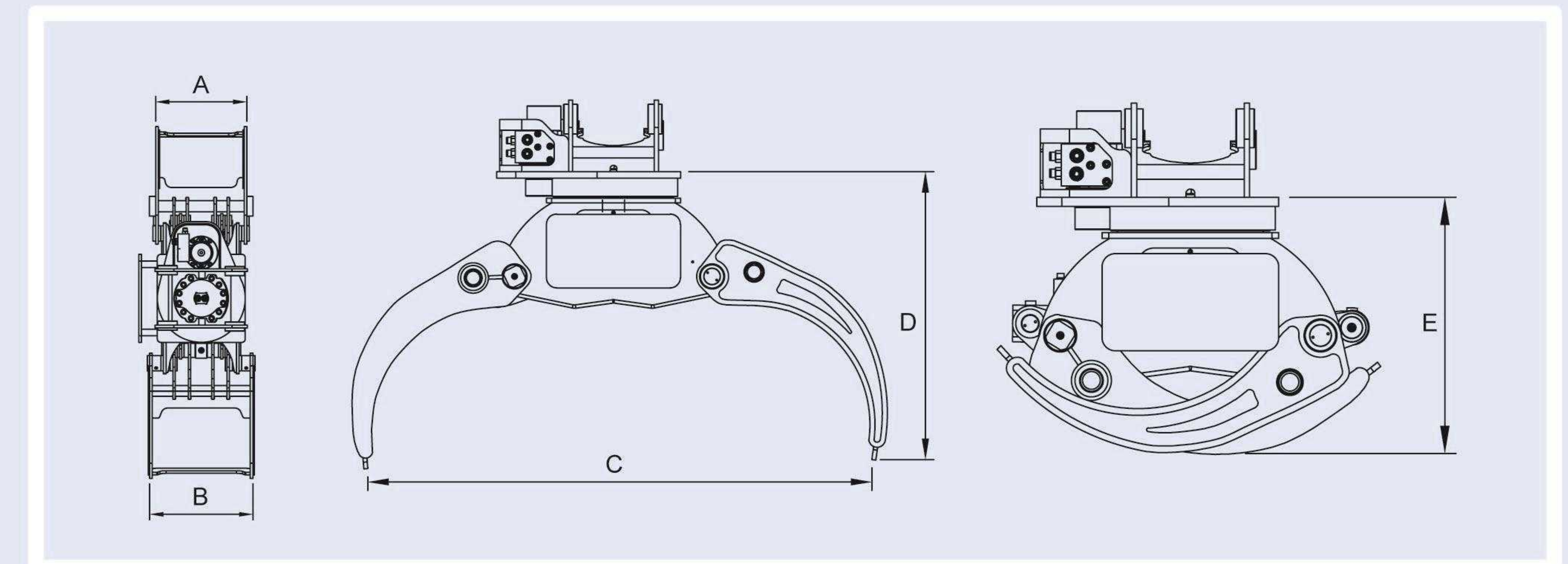
### Specifications 技术参数

FGL03

FGL06

Outline Dimension 外形尺寸	A	415 mm	( In Developing )
	B	470 mm	
	C	1500 mm	
	D	1155 mm	
	E	580 mm	
Weight	重量	360 kg	730 kg
Operation Pressure ( closed )	闭合工作压力	150-170 kg/cm <sup>2</sup>	160-180 kg/cm <sup>2</sup>
Operation Flow ( closed )	闭合工作流量	90-110 L/min	100-140 L/min
Operation Pressure ( rotating )	旋转工作压力	110-140 kg/cm <sup>2</sup>	140-160 kg/cm <sup>2</sup>
Operation Flow ( rotating )	旋转工作流量	30-50 L/min	30-50 L/min
Grab Weight	抓取重量	1500 kg	2000 kg
Suitable Carrier	适配挖机	5-10 ton	12-16 ton

### Outline Dimension 外形尺寸



The single-cylinder and double-claw linkage mechanism can accurately grab small items such as logs and sugarcane with high grasping efficiency.

单油缸双爪联动机构可准确抓载原木、甘蔗等小型物品,抓载效率高.



## Demolition Grapple

### 多功能抓

The strong fully integrated hydraulic rotator can withstand greater external force.

坚固的全集成式液压旋转器，可以承受更大的外力。

With the design of double balance control valve, the shock on motor would be reduced greatly when the motor is in conversion and when it stops.

双平衡控制阀设计，大大降低了马达正反转转换及其停止动作时所受的冲击。

The wear-resistant steel is adopted to make the grapple with good wear resistance and long service life.

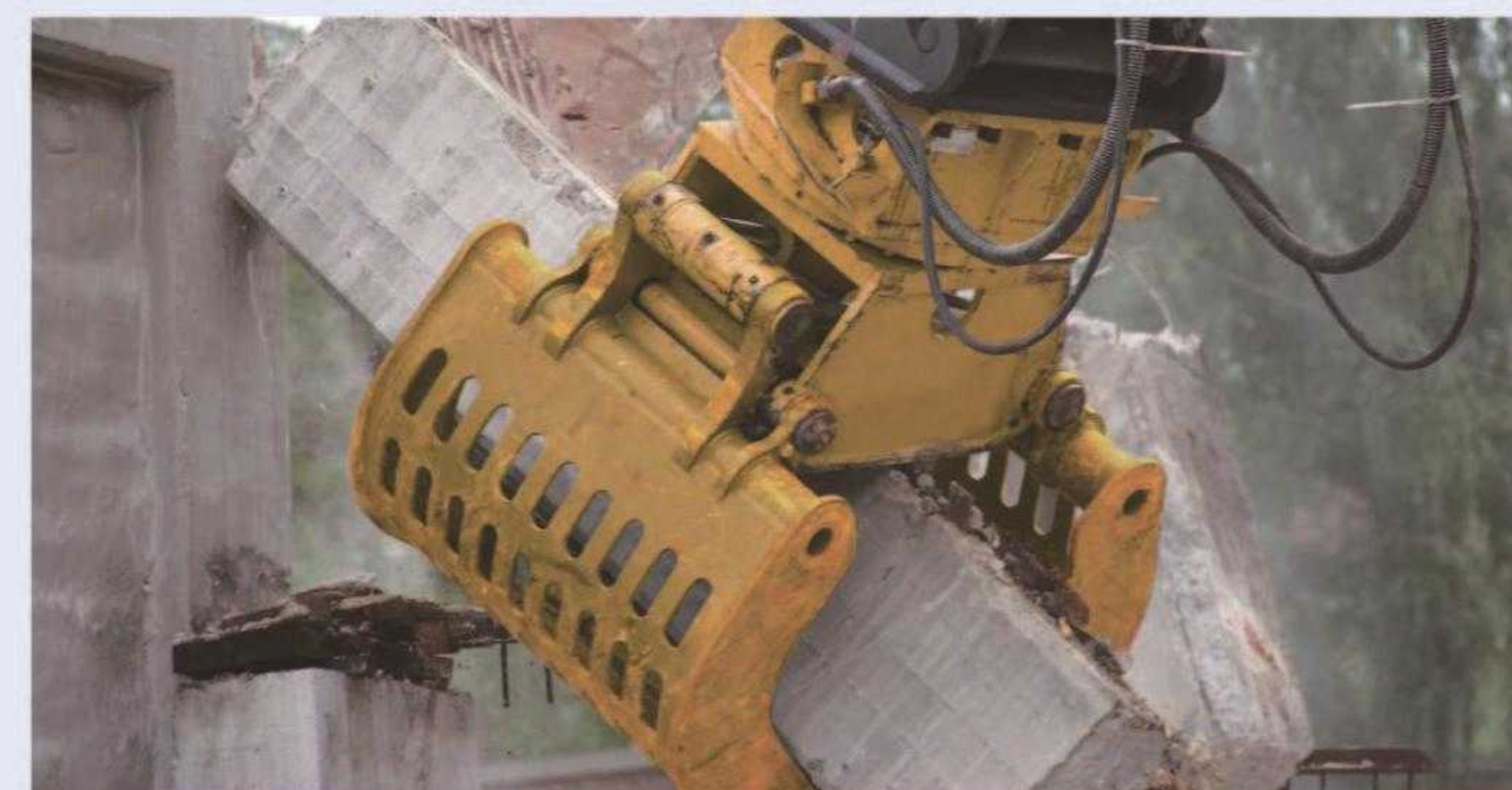
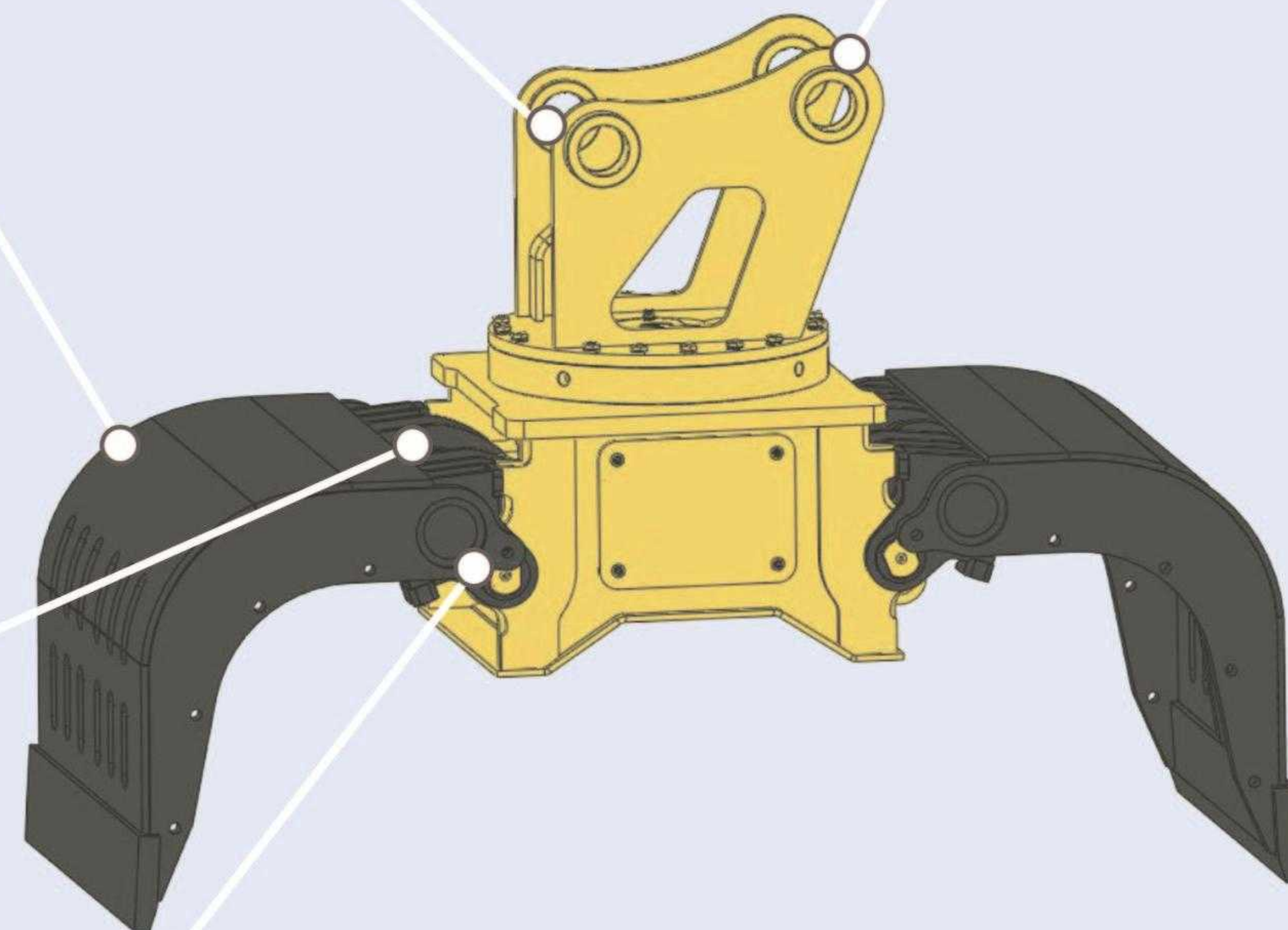
抓斗底部采用特殊耐磨钢，耐磨性好，使用寿命长。

The design of an integrated motor base reduces the wear of gear and rotary slewing support, which effectively protects tooth surface and prolongs its life time.

马达底座一体式设计，减少了齿轮与回转支撑的磨损，有效保护齿面，延长使用寿命。

The large volume hydraulic cylinder greatly improves the grab capacity.

大容量液压油缸，极大提高了多功能抓的抓载能力。



### Specifications 技术参数

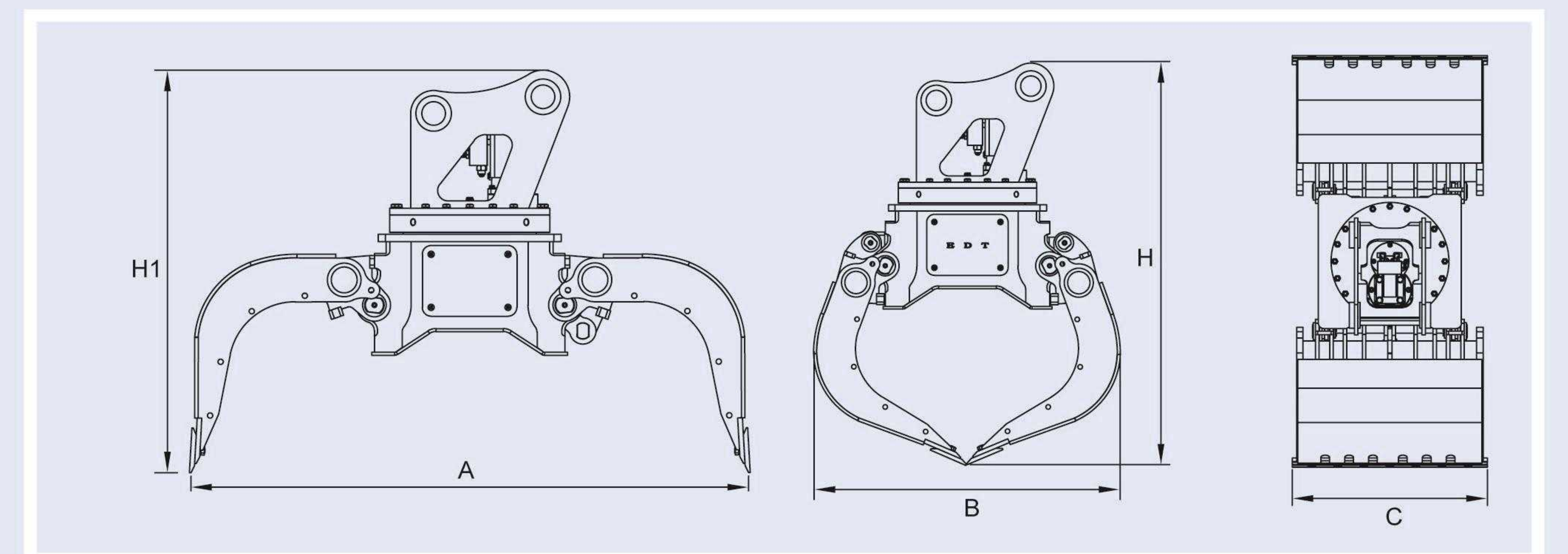
#### FMG03

#### FMG04

#### FMG06

Outline Dimension 外形尺寸		A	( In Developing )	( In Developing )	1900 mm
		B			1182 mm
		C			900 mm
		H			1588 mm
		H1			1340 mm
Total Weight	总 重	430kg	500kg	750kg	
Capacity	容 量	0.23m <sup>3</sup>	0.3m <sup>3</sup>	0.5m <sup>3</sup>	
Max. Grab Force	最大夹力	1600kg	1800kg	2700kg	
Max. Open Width	最大张幅	1500mm	1600mm	1900mm	
Grab Width	钳口宽度	700mm	750mm	900mm	
Total Length	总 长 度	1250mm	1336mm	1586mm	
Suitable Carrier	配用挖掘机	3-6.5 ton	7-11 ton	12-17 ton	
Working Pressure	工作 压力	160~180kg/cm <sup>2</sup>	160~180kg/cm <sup>2</sup>	180~220kg/cm <sup>2</sup>	
Working Mode	工作 模式	Motor rotary, 360°free rotation 马达驱动, 360°任意角度自由旋转			

### Outline Dimension 外形尺寸



## Universal Quick Coupler

### 液压油路快换

It is allowable for connecting/disconnecting with residual pressure.

可允许带残压对接/断开。

The center distance of the platform is 458mm, which is the regular range for 20 ton excavators and can meet the 20 ton excavator adaptability needs.

平台的轴距为458mm,为20吨挖机的常规轴距范围,可满足20吨挖掘机适配性的需求。

It is installed with a linkage self-rebound cover, which plays the role of dust protection.

安装有联动自回弹式盖板,起到防尘保护的作用。

The overall structure is made of alloy material by casting, and it is with high strength.

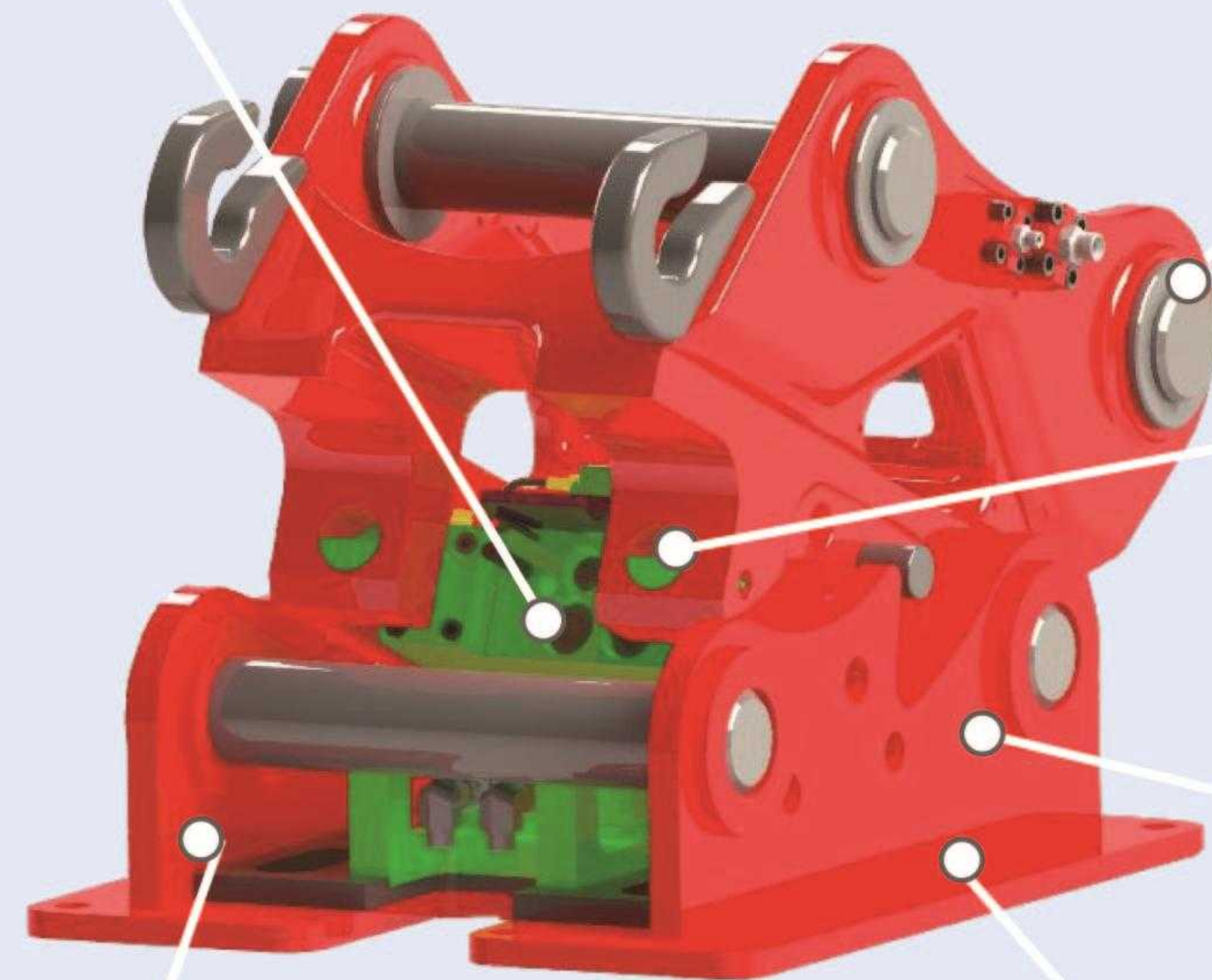
整体结构采用合金材质进行铸造,强度高。

The conversion platform can realize the synchronous switching of structure, oil circuit and electric circuit, and the connection time is 2-4min, the connecting oil circuit is 2 ways, which can meet the needs of multi-functional rescue attachments.

转换平台可实现结构、油路、电路的同步切换,接驳时间2-4min,接驳油路为2路,可满足多功能救援属具的需求。

It adopts the plate-type hydraulic control pressing scheme, no need for manual operation.

它采用板式液控压合方案,无需要手动对接。

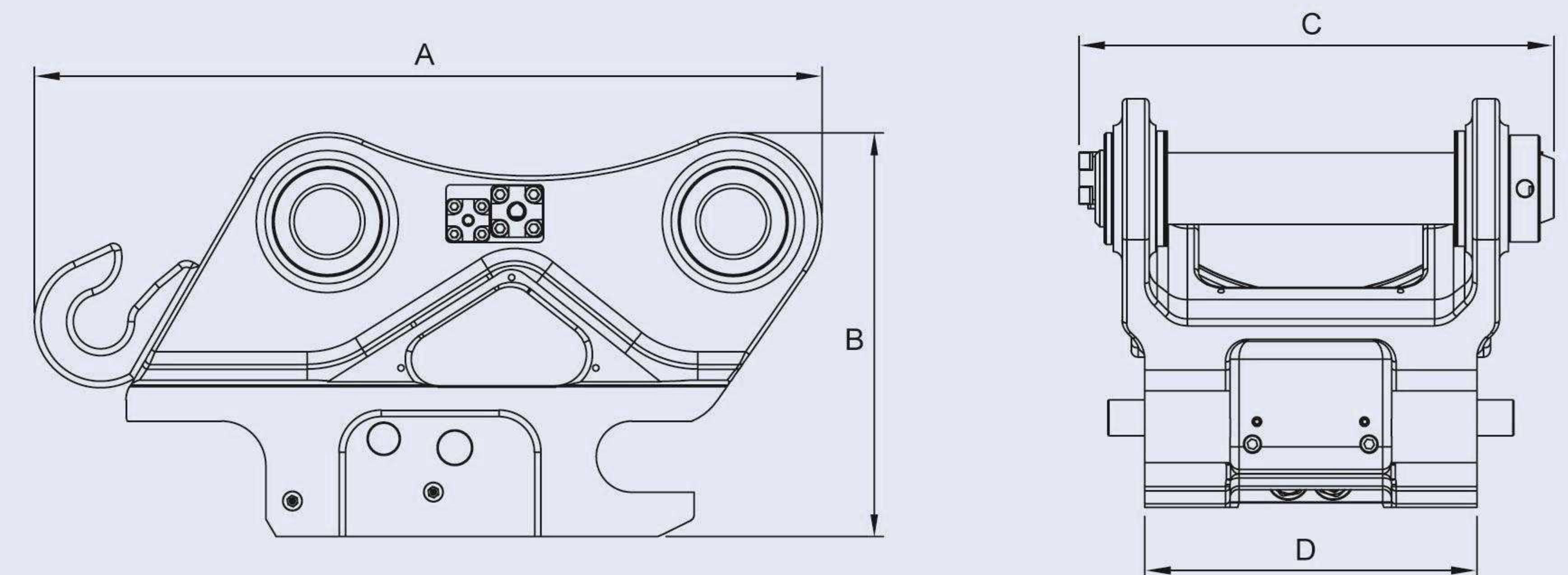


## Specifications 技术参数

## UQC08

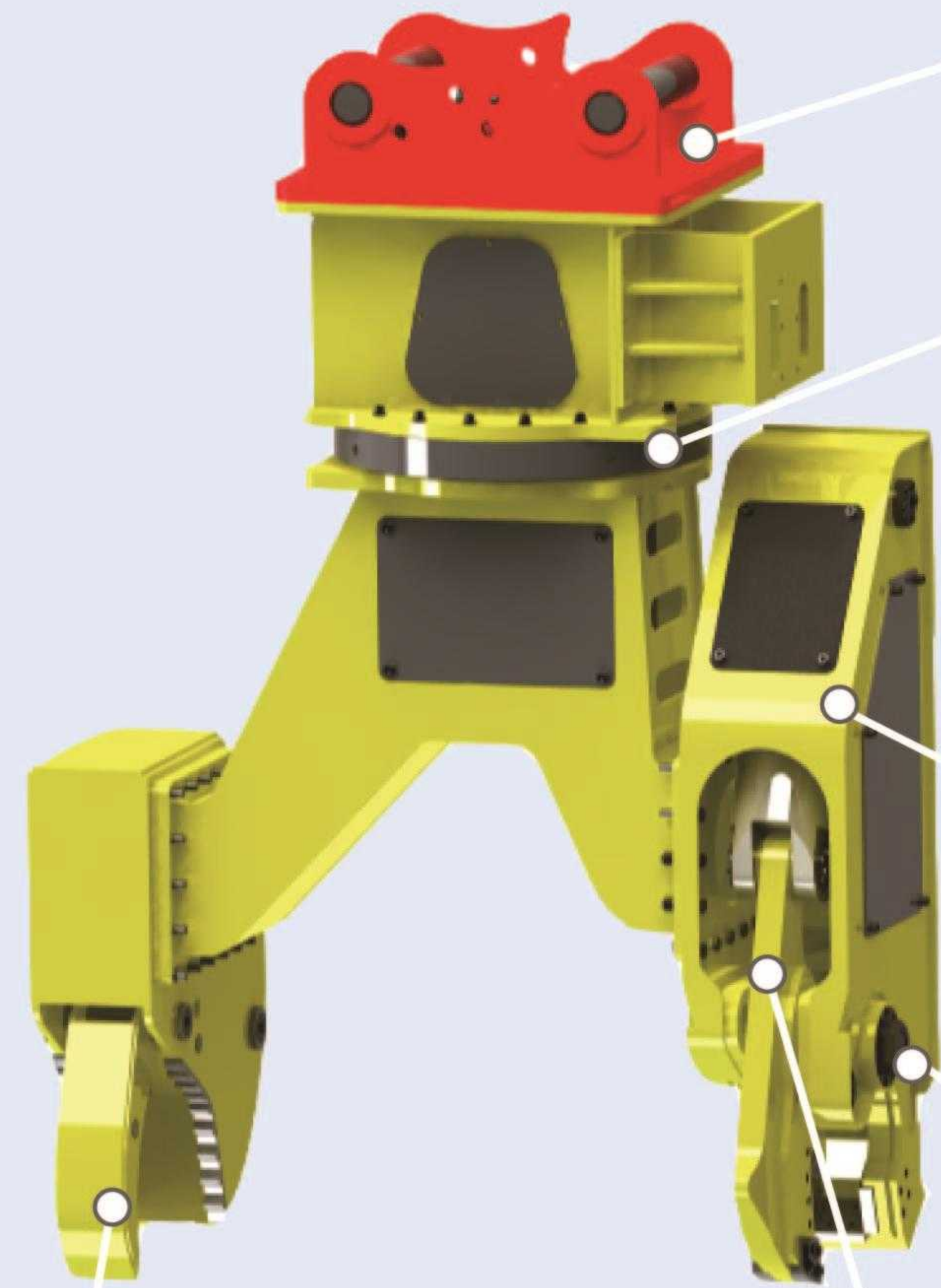
Outline Dimension 外形尺寸	A	900 mm
	B	460 mm
	C	540 mm
	D	370 mm
Weight	重量	250-350 kg
Center Distance	轴孔间距	458 mm
Opening	设备开档范围	250-360 mm
Rated Working Pressure	额定工作压力	35 Mpa
Working Flow	工作流量	20-30 L/min
The Qty of Automatic Switch Oil Circuits	自动切换油路数量	2 个
The Qty of Automatic Switch Electric Circuits	自动切换电路数量	3 组
Suitable Carrier	适配挖机	20-25 ton
It can realize the integrated switching of machines, electricity and liquid. 可实现机、电、液一体式切换。		

## Outline Dimension 外形尺寸



## Grasping Combined Shear

### 液压抓取组合剪



The built-in motor drive design and split connection structure improve the applicability of the rescue site.

内置式马达驱动设计和分体式连接结构提高救援现场的适用性。

It adopts low-speed, high-torque hydraulic motor drive and high-quality rotary structure to achieve 360° free rotation.

采用低转速、大扭矩液压马达驱动及高品质回转结构, 实现360°无限制自由旋转。

The whole machine adopts the box-type structure design, which has the characteristics of light weight and high overall strength.

整体采用箱式结构设计, 具有重量轻、整体强度高特点。

One machine has multiple functions, which can realize the functions of grabbing and cutting

一机多能, 可实现抓取、剪切功能。

The grasping part adopts a single-claw design to ensure shearing and gripping in the same axis. The hydraulic lock is added in grasping cylinder to increase the safety.

抓取部分采用单爪设计, 保证剪切抓取同轴心, 抓取油缸增加液压锁, 增加救援安全性。

The special large-capacity oil cylinder is used to enhance the shearing force, in order to prevent the failure of the oil cylinder during the shearing process, the oil cylinder safety valve design is adopted to increase the product safety.

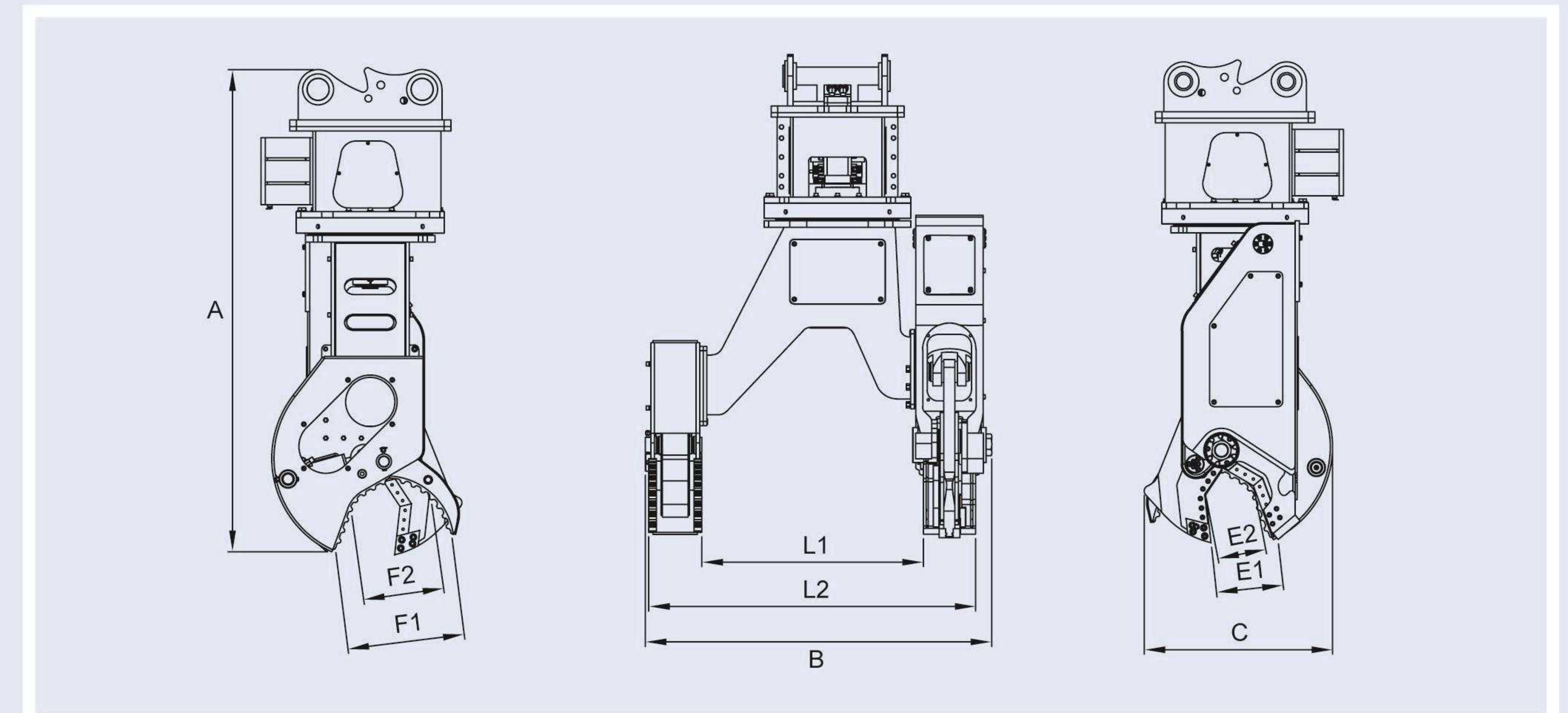
使用特质大容量油缸, 增强剪切力量; 为防止剪切过程中油缸失效, 采用油缸安全阀设计增加产品安全性。

## Specifications 技术参数

## M-GS20

Outline Dimension 外形尺寸	A	2200 mm
	B	160 mm
	C	850 mm
	E1	300 mm
	E2	219 mm
	F1	540 mm
	F2	393 mm
	L1	999.5 mm
L2	1473.5 mm	
Weight	重量	1600-1700 kg
Shear Working Pressure	剪切工作压力	15-35 Mpa
Shear Working Flow	剪切工作流量	80-140 L/min
Grab Working Pressure	抓取工作压力	14-16 Mpa
Grab Working Flow	抓取工作流量	30-60 L/min
Rotating Working Pressure	旋转工作压力	14-16 Mpa
Rotating Working Flow	旋转工作流量	20-50 L/min
Max Crushing Force	最大剪切力	1550 kN
Maximum Weight of Load	最大抓取重量	2100 kg
Rotation Angle	旋转角度	360°
Suitable Carrier	适配挖机	20-25 ton

## Outline Dimension 外形尺寸



## Drum Cutter Combined Hammer

### 铣刨破碎组合锤



Equipped with the hydraulic circuit quick coupling system, it not only takes less time and has high efficiency during the linking of excavator and attachment, but also has reliable sealing and stable oil circuit system.

配备油路快速切换系统,在挖机与属具对接过程中不仅耗时短、效率高,而且密封可靠、油路系统稳定。

It adopts double-helical-tooth swing cylinder to realize swing in the range of 0-90°, large swing torque, compact structure, reliable sealing and low failure rate.

采用双螺旋齿摆动缸可实现0-90°范围内摆动,摆动力矩大、结构紧凑、密封可靠、故障率低。

One machine has multiple functions, which can realize the functions of demolition and drum cutting.

一机多能,可实现破拆、开孔功能。

The structure of drum cutter has the characteristics of low vibration, low noise, low destructiveness, and the particle size of the material produced by milling and digging is small and uniform, which can effectively reduce the secondary injury to the trapped persons during the rescue process.

铣刨开孔结构具有低振动、低噪音、破坏性小,铣刨下来的物质粒径小且均匀等特点,可有效减少救援过程中对被困人员的二次伤害。

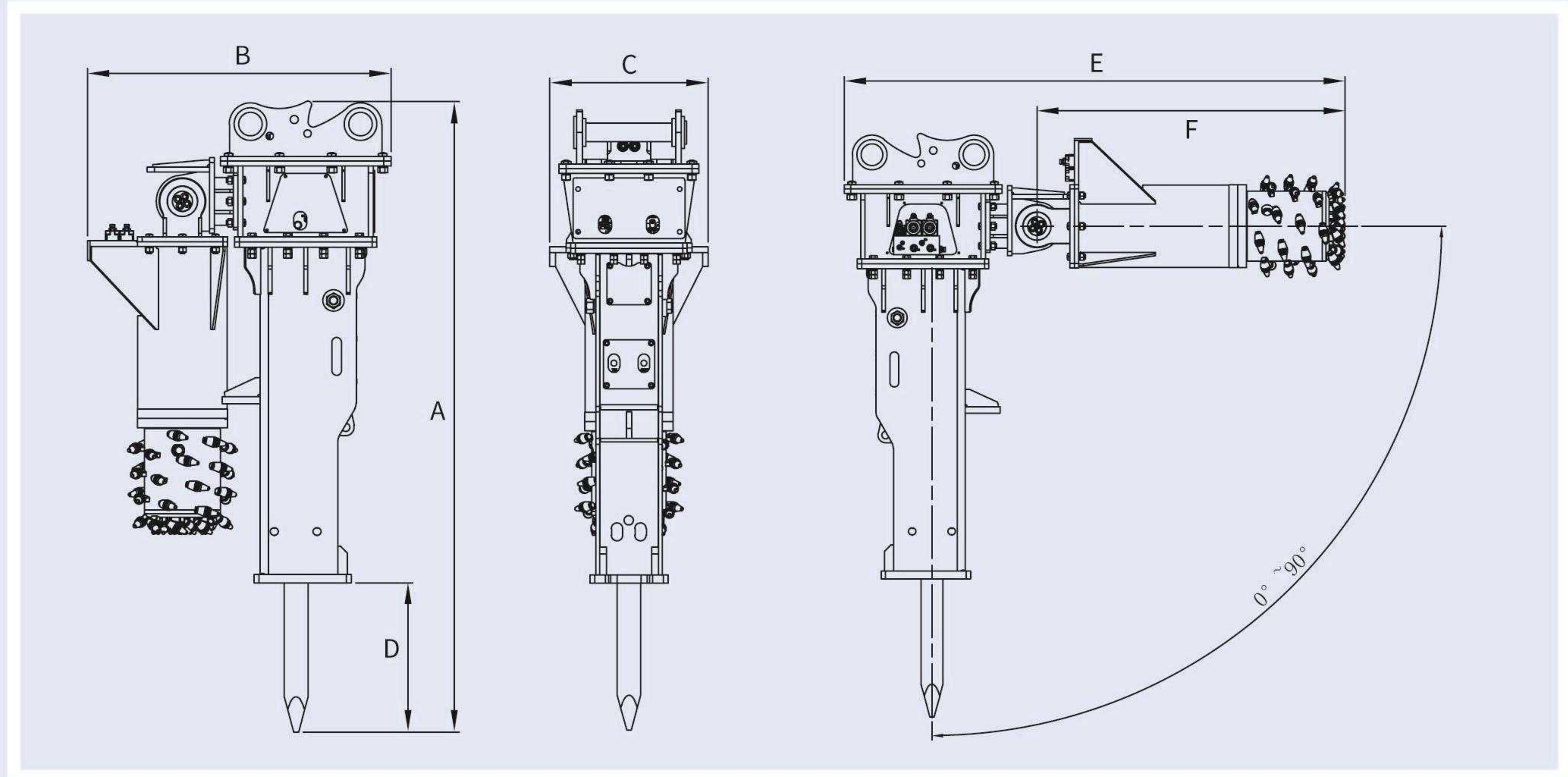
The chisel is made of special materials through special processing technology, which has high strength and high wear resistance, and can quickly break concrete, stones and other objects.

钎杆由特殊材料经过特殊加工工艺制成的杆,具有高强度、高耐磨性,可快速破碎混凝土、石块等物体。

## Specifications 技术参数 M-DH20

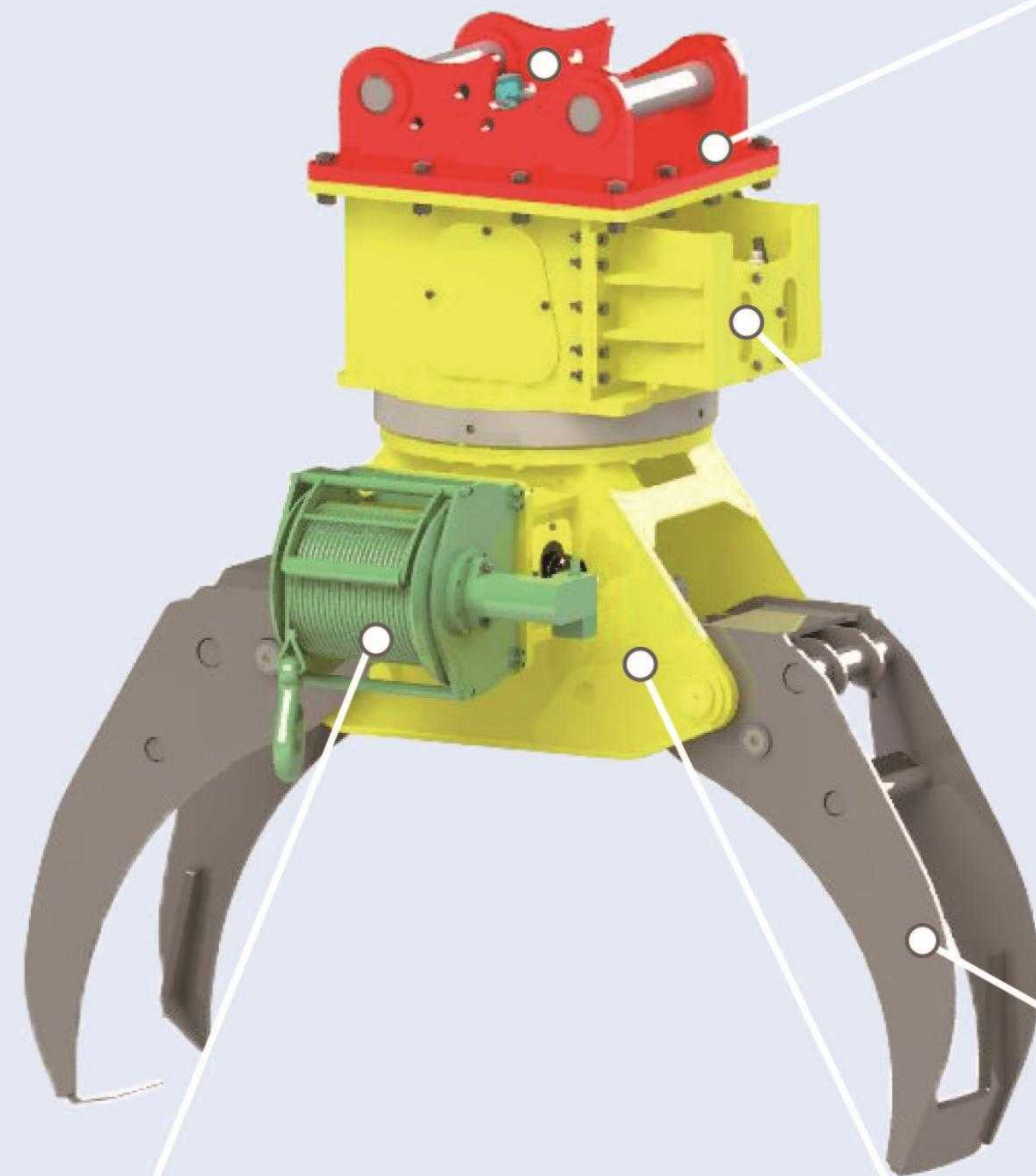
Outline Dimension 外形尺寸	A	2660 mm
	B	1280 mm
	C	680 mm
	D	630 mm
	E	2285 mm
	F	1405 mm
Weight	重量	1900-2000 kg
Breaking Work Pressure	破拆工作压力	15-35 Mpa
Breaking Work Flow	破拆工作流量	80-140 L/min
Drilling Work Pressure	开孔工作压力	15-35 Mpa
Drilling Work Port	开孔工作流量	80-140 L/min
Swing Angle	摆动角度	0-90°
Suitable Carrier	适配挖机	20-25 ton

## Outline Dimension 外形尺寸



## Lifting Combined Grapple

### 吊装组合抓斗



Equipped with automatic switching oil circuit integrated components, the connection of key technologies such as oil circuit switching, flow distribution, and quick coupling control can be completed through the universal conversion platform.

装有自切换油路集成构件,可通过通用转换平台完成油路切换与流量分配、快连控制等关键技术对接。

It adopts low-speed, high-torque hydraulic motor drive and high-quality rotary structure to achieve 360° free rotation.

采用低速、大扭矩液压马达及高品质回转机构,实现360°无限制自由旋转。

One machine has multiple functions, which can realize the functions of grasping, pulling and lifting, and is suitable for rescue work in a variety of complex scenarios.

一机多能,可实现抓取、牵引、起吊功能,适用于多种复杂场景的救援工作。

It adopts high-strength hydraulic cylinder gripper to achieve gripping, with large gripping force.

采用高强度液压油缸驱动抓爪实现抓取动作,抓取力大。

It adopts an internal brake motor with self-locking function and cooperates with double balance valves, which can effectively prevent slipping during the lifting process and has double protection functions.

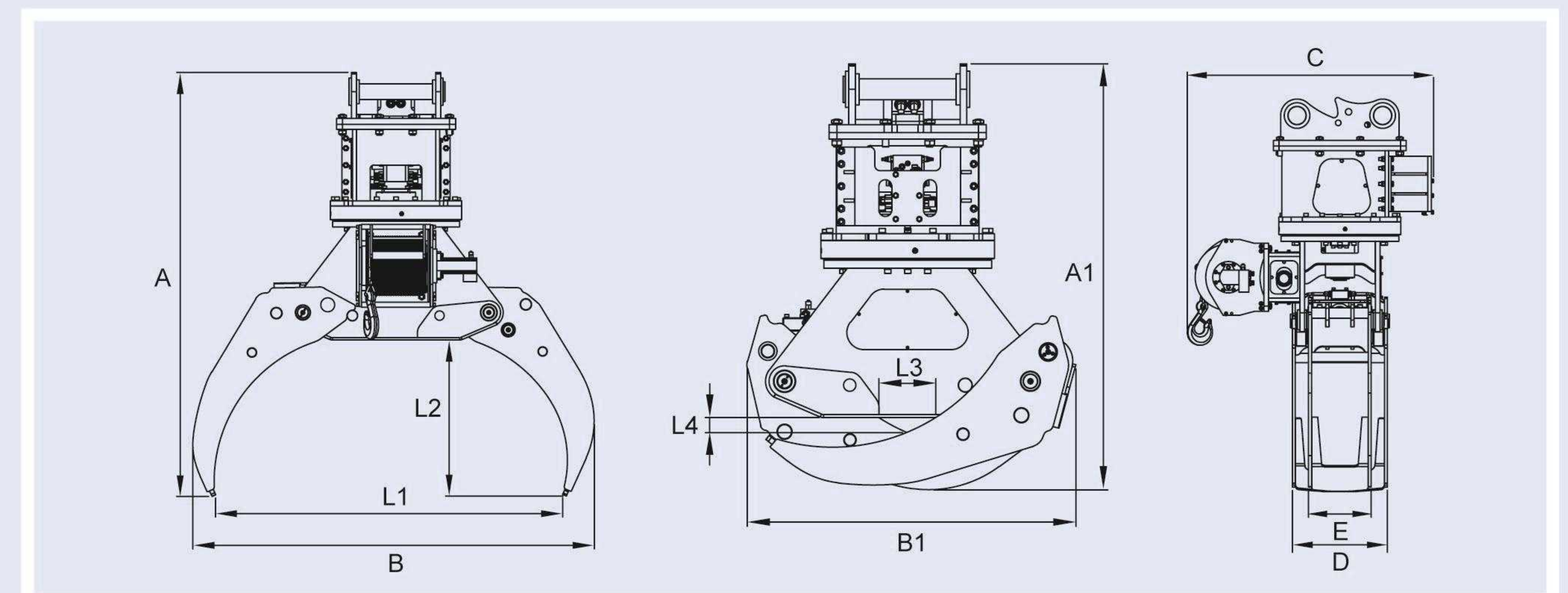
采用内部带自锁功能的制动马达,配合双平衡阀,可有效防止起吊过程中的滑落现象,具有双重防护功能。

### Specifications 技术参数

### M-LG20

Outline Dimension 外形尺寸	A	2150 mm
	B	2050 mm
	A1	1650 mm
	B1	1260 mm
	C	1350 mm
	D	516 mm
	E	340 mm
	L1	1700 mm
	L2	785 mm
L3	220 mm	
L4	60 mm	
Weight	重量	1600-1700 kg
Grab Work Pressure	抓取工作压力	15-35 Mpa
Grab Work Flow	抓取工作流量	80-140 L/min
Rotary Work Pressure	旋转工作压力	14-16 Mpa
Rotary Work Flow	旋转工作流量	20-50 L/min
Winch Lifting Pressure	绞车提升压力	14-16 Mpa
Winch Work Flow	绞车工作流量	30-60 L/min
Maximum Pull of Winch	绞车最大拉力	21 kN
Load Weight	抓 载 重 量	2100kg
Maximum Weight of Lifting	最大起吊重量	2100kg
rotation angle	回 转 角 度	360° free rotation 360°无限制自由旋转
Suitable Carrier	适配挖机吨位	20-25 ton

### Outline Dimension 外形尺寸





## Cutting Combined Expander 剪切组合扩张器



It adopts low-speed, high-torque hydraulic motor and high-quality rotary structure to achieve 360° degrees free rotation.

采用低转速、大扭矩液压马达驱动及高品质回转结构，实现360°无限制自由旋转。

The special high-strength and large-capacity oil cylinder is adopted to maximize the breaking shear force and expansion force while ensuring high strength.

采用特质高强度大容量油缸，在保证高强度的同时，实现破拆剪切力和扩张力最大化。

The special-structured jaw realize shearing, breaking and expansion. The expansion bucket tooth made of special material is super for opening holes.

装有特殊结构颚口，可实现剪切、破拆、扩张等多种功能，特殊材质的扩张斗齿结构对于各种结构和材质的开孔效果极佳。

The overall structure is cast with alloy material, with high strength and impact resistance.

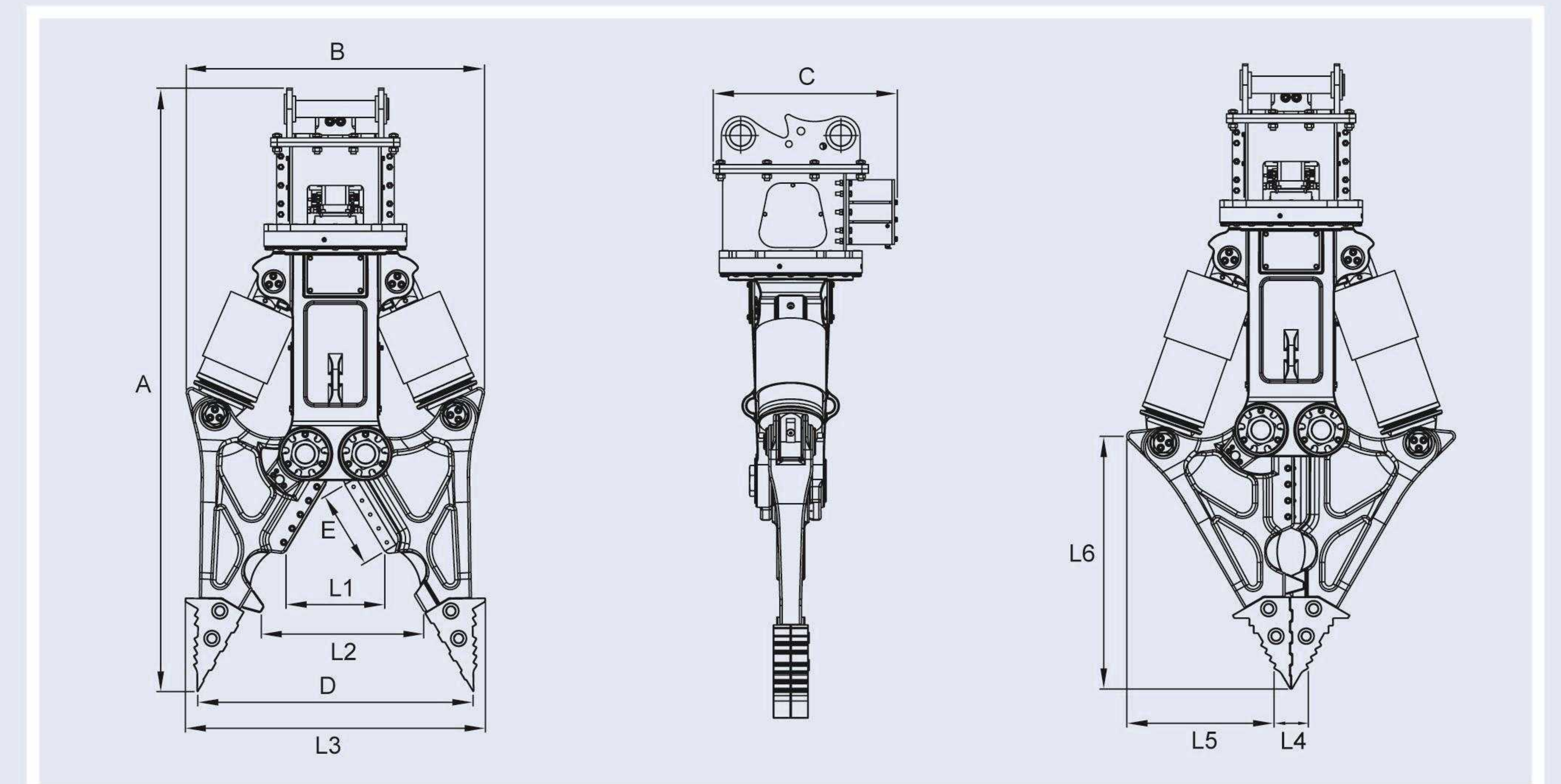
整体结构采用合金材质进行铸造，强度高、耐冲击。

### Specifications 技术参数

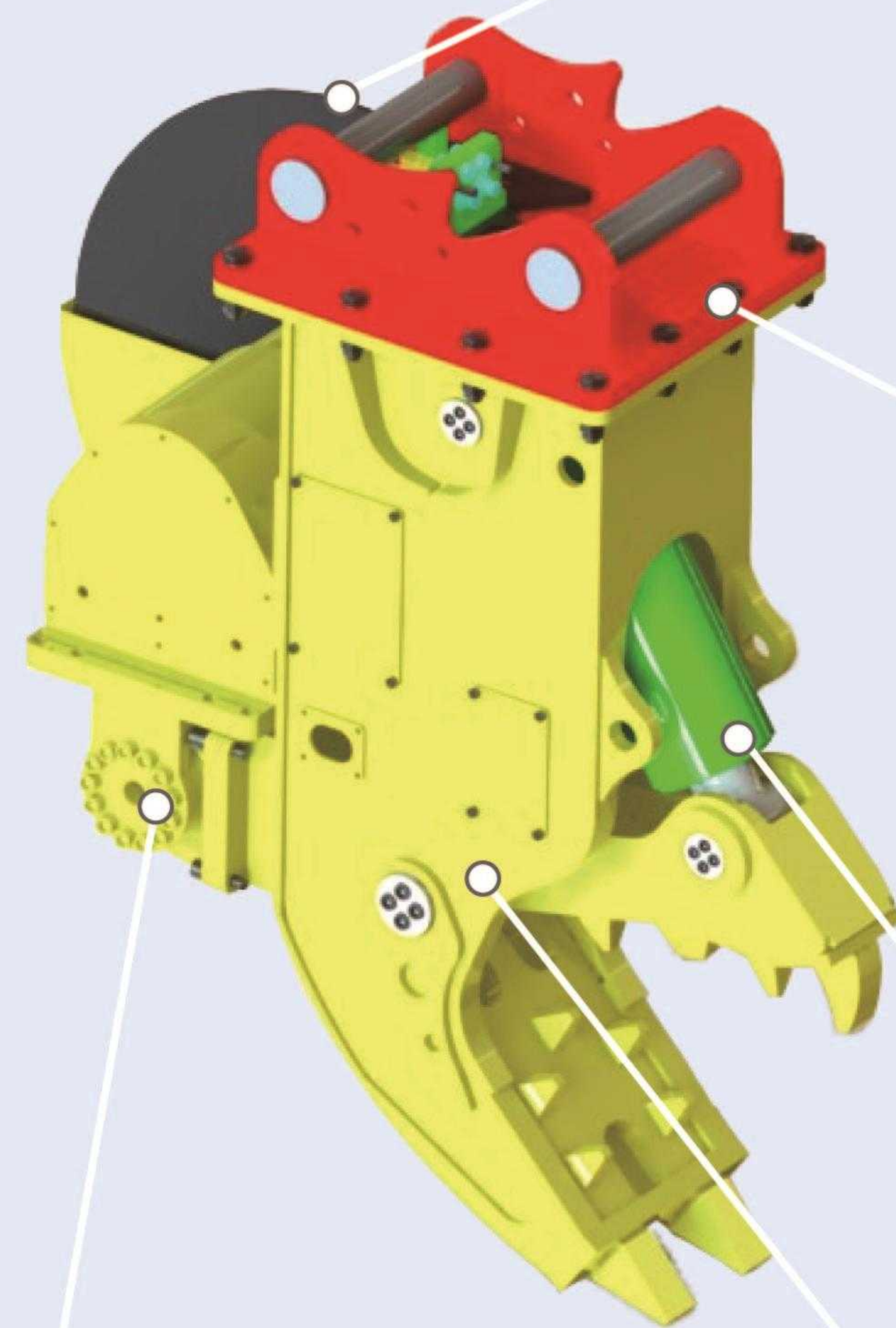
### M-CE20

Outline Dimension 外形尺寸	A	2820 mm
	B	1400 mm
	C	860 mm
	D	1200 mm
	E	360 mm
	L1	450 mm
	L2	730 mm
	L3	1390 mm
	L4	140 mm
	L5	685 mm
	L6	1175 mm
Weight	重量	1900-2000 kg
Closed Work Pressure	闭合工作压力	15-35 Mpa
Closed Work Flow	闭合工作流量	80-140 L/min
Rotating Working Pressure	旋转工作压力	14-16 Mpa
Rotating Working Flow	旋转工作流量	20-50 L/min
Max Crushing Force	最大剪切力	3800 kN
Breaking Force (End)	破拆力(末端)	900 kN
Extension Force (End)	扩展力(末端)	550 kN
Suitable Carrier	适配挖机吨位	20-25 ton

### Outline Dimension 外形尺寸



## Disc Saw Combined Crusher 圆盘锯组合粉碎钳



Detachable saw blade, by changing different types of saw blade, it can realize sawing of aluminum, reinforced concrete, etc.  
可拆卸锯片,通过更换不同类型的锯片,可实现对铝材、钢筋混凝土等的锯切。

The split connection structure is adopted to increase the oil circuit switching function, realize the diversified adaptation of attachments and excavators and other equipment, and can quickly complete linking of machines and hydraulics, greatly improving the rescue efficiency and the applicability of the rescue site.  
采用分体式连接结构,增加油路切换功能,实现属具与挖机等设备的多样化适配,可以快速完成机、液等对接,大大提高救援效率和救援现场的适用性。

The use of special large-capacity oil cylinder greatly enhances the separation and crushing power.  
使用特质大容量油缸,极大增强分离、粉碎力量。

It adopts double-helical-tooth swing cylinder to realize swing in the range of 0-170°, large swing torque, compact structure, reliable sealing and low failure rate.  
采用双螺旋齿摆动缸可实现0-170°范围内摆动,摆动力矩大、结构紧凑、密封可靠、故障率低。

The whole crusher adopts box-type structure design, which has the characteristics of light weight and high overall strength.  
整体采用箱式结构设计,具有重量轻、整体强度高特点。

### Specifications 技术参数 M-DC20

Outline Dimension 外形尺寸	A	1950 mm
	B	600 mm
	C	1670 mm
	D	1000 mm
	E	550 mm
	F	367 mm
Weight	重量	1600-1700 kg
Closed Work Pressure	闭合工作压力	15-35 Mpa
Closed Work Flow	闭合工作流量	80-140 L/min
Swing Work Pressure	摆动工作压力	14-16 Mpa
Swing Work Flow	摆动工作流量	20-50 L/min
Cut Work Pressure	切割工作压力	15-35 Mpa
Cut Work Flow	切割工作流量	80-140 L/min
Max Pulverizing Force	最大粉碎力	1000kN
Max Cutting Depth	最大切割深度G	340 mm
Swing Angle	摆动角度	0-170°
Suitable Carrier	适配挖机	20-25 ton

### Outline Dimension 外形尺寸

