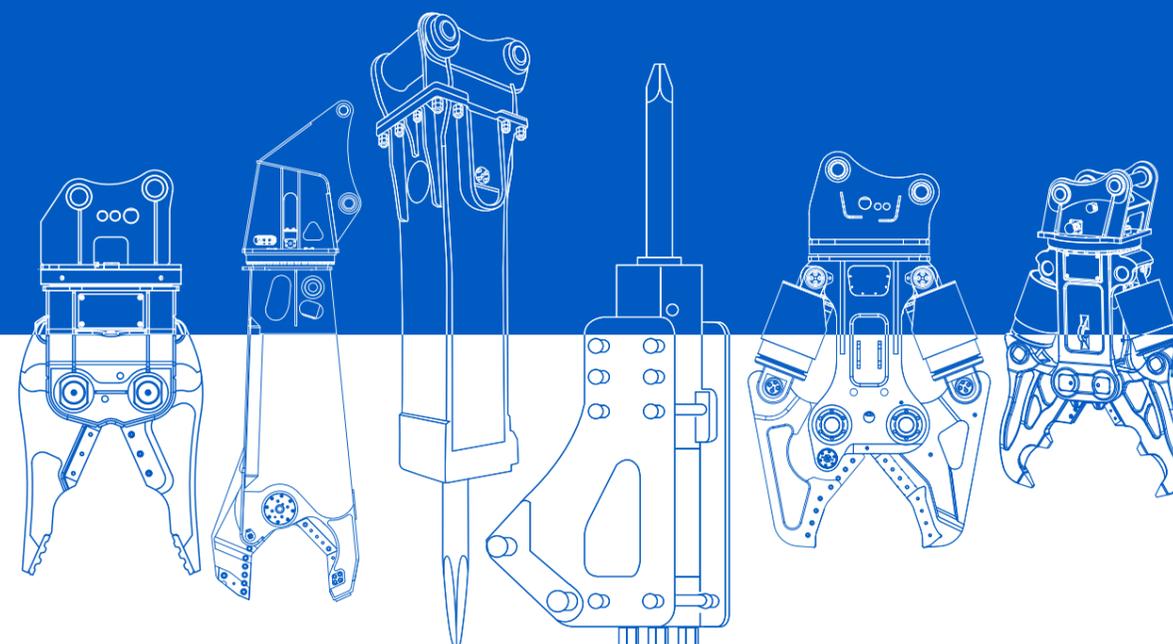


# HIGH END HYDRAULIC ATTACHMENT MANUFACTURER

COMMITTED TO SUPPLYING SMART, EFFICIENT,  
AND DURABLE HIGH-END HYDRAULIC PRODUCTS  
TO EMPOWER HUMAN LABOR.



YANTAI EDDIE PRECISION MACHINERY CO., LTD.

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V.202509

EDDIE

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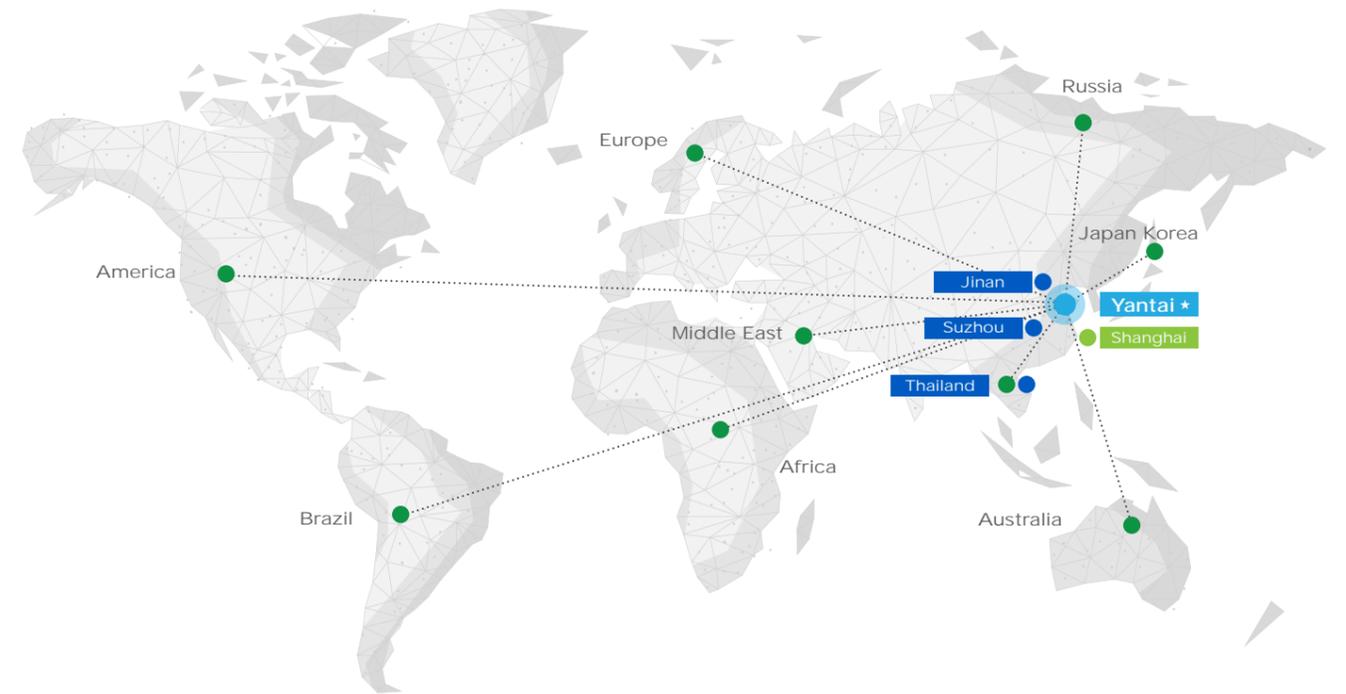
- Ripper
- Pressing Frame
- Mechanical Claw
- Hydraulic Thumb
- Digging Bucket
- Bucket



# ABOUT EDDIE



▲ Intelligent Manufacturing Industrial Park



**2003**  
Founded

**3000+**  
Employees

**90+**  
Countries  
Product Exported

**603638**  
Stock No.

## COMPANY PROFILE

Yantai Eddie Precision Machinery Co., Ltd. was established in 2003 and listed on the Shanghai Stock Exchange in 2017. As a comprehensive high-end equipment manufacturer, Eddie Precision provides a range of hydraulic attachments, high-end hydraulic parts, industrial robots, carbide cutting tools, intelligent energy storage system, linear motion products, as well as battery & electric motor & electronic control system for non-road machinery.

With approach to the international development strategy, we establish overseas offices, warehouses and maintenance service centers to better meet global needs. Moreover, we are taking ways to establish a team with global vision and cross-cultural communication ability. We cultivate an inclusive and open culture, thus constantly improving the competitiveness.

**8**  
Manufacturing Bases 

**Thailand** Hydraulic Parts & Attachments

**Yantai** Hydraulic Breakers & Attachments  
Hydraulic Parts  
Industrial Robots & Electric Motors  
Cutting Tools & Inserts  
Linear Motion

**Jinan** Batteries for Construction Equipment  
Energy Storage System

**Suzhou** Hydraulic Parts

**2**  
R&D Centers 

Yantai | Shanghai

**9**  
Overseas Branches 

**300+**  
Global Agents 

# TO CREATE A CENTENNIAL EDDIE

## 2003

Eddie Precision was established with a registered capital of 3 million USD and specialized in high-end hydraulic attachments for construction machinery.

## 2005

The first hydraulic breaker rolled off the production line, with a total of 240 units produced and sold that year.

## 2009

Eddie Hydraulic, a wholly owned subsidiary, was registered and established, paving the way for the development of high-end hydraulic components.

## 2015

Expanded the CNC Tools Division and the Robotics Technology Division.

## 2017

Listed on the Shanghai Stock Exchange with the stock code 603638.

The Motor Division was established and expanded.

## 2018

The wholly owned subsidiary Aolang Mechanical Technology was established.

## 2020

Wholly owned subsidiaries, AITRON Robotics and Ruineng SuperHard Cutting Tools were established.

## 2022

The Linear Motion Division was established.

Acquired ENNP Technology (Shandong) Co., Ltd., laying out the whole industrial chain of the battery, electric motor, and electric control system.

## 2024

Eddie Precision, in partnership with Kawasaki Heavy Industries, established a joint venture — Eddie Kawasaki Precision Machinery (Suzhou) Co., Ltd., with a 51% equity stake.

The first overseas manufacturing factory in Thailand officially started construction.



# QUALITY CONTROL SYSTEM



CE CERTIFICATE



CE CERTIFICATE



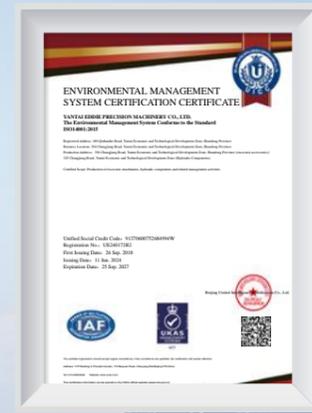
EAC



NOISE CONTROL



ISO9001:2015

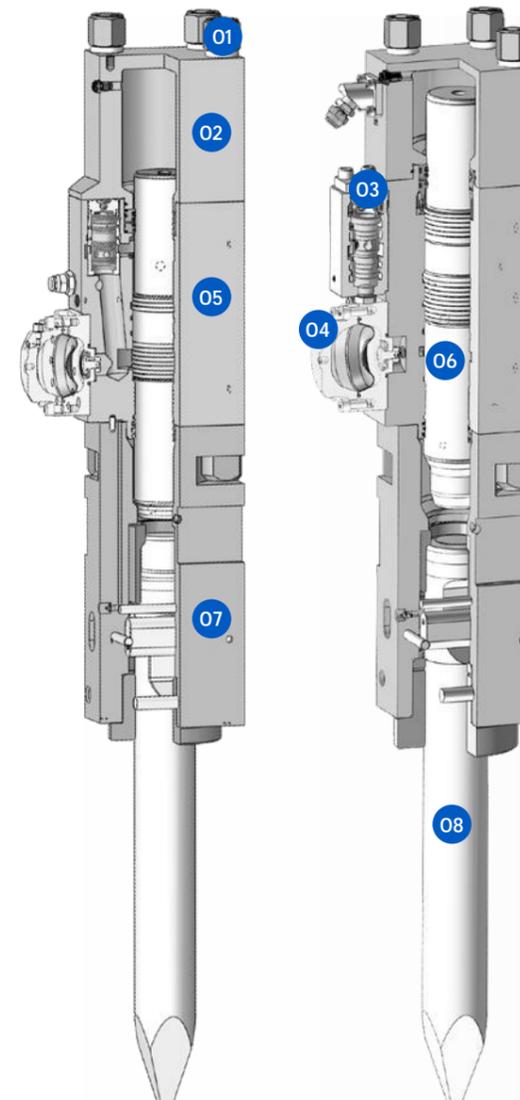


ISO4001:2015



ISO45001:2018

# MAIN BODY SECTIONS



Inward Valve Type

Outward Valve Type

- 01 **THROUGH BOLT**  
The longest life time due to adoption of advanced heat treatment process and special design.
- 02 **BACK HEAD**  
The stroke energy of piston is accumulated due to charged Nitrogen gas.
- 03 **CONTROL VALVE ASS'Y**  
Easy to access for repairing or replacing.
- 04 **ACCUMULATOR**  
Enhancing equipment durability through this efficient shock absorption system.
- 05 **CYLINDER**  
Super stability quality through being precision-manufactured by machines.
- 06 **PISTON**  
Noted durability as a result of quality proven material in intensity, anti-wear heat resistance, tenacity, anti-impact internal pressure, etc.
- 07 **FRONT HEAD**  
Supports breaker and assembled with bushes which buffers shock from the chisel.
- 08 **CHISEL**  
This working tool ensures the Eddie hydraulic breaker's perfect performance.

# LIGHT-DUTY HYDRAULIC BREAKER



BOX-SILENCED TYPE

Top Type

Side Type

## APPLICATION

- Bench leveling and arch surface scaling in mining construction.
- Demolition of lightweight masonry and crushing of pavements in demolition and renovation projects
- Ground excavation in infrastructure construction
- Slag removal in the metallurgical industry
- Barnacle and rust removal from ship hulls



SPECIFICATION	UNIT	EDDIE35	EDDIE40 EDT100	EDDIE45 EDT200	EDDIE53 EDT300
Body Weight	kg	45	53	71	89
Total Weight (Side/Top/Box)	kg	72/72/107	82/83/123	117/122/155	147/148/189
Length (Side/Top/Box)	mm	845/1007/1114	931/1116/1213	1091/1225/1329	1182/1347/1412
Width (Side/Top/Box)	mm	216/216/255	216/216/255	255/216/255	275/275/255
Height (Side/Top/Box)	mm	335/187/298	354/208/298	431/200/298	498/286/298
Operating Pressure	kg/cm <sup>2</sup>	90-120	90-120	90-120	90-120
	psi	1280-1704	1280-1704	1280-1704	1280-1704
	bar	88-117	88-117	88-117	88-117
Oil Flow Range	L/min	12-20	15-25	20-30	25-50
Impact Frequency	bpm	800-1400	800-1400	700-1400	600-1100
Diameter of Hose	inch	1/2	1/2	1/2	1/2
Diameter of Tool	mm	35	40	45	53
Suitable Carrier	ton	0.4-2	0.8-2.5	1.2-3.0	2.5-4.5

The specified weights are for standard carriers only.

EDDIE60	EDDIE68 EDT400	EDT430	EDDIE75/80 EDT435	EDDIE85 EDT450	EDDIE100 EDT800
122	156	214	215	282	479
214/251/273	266/303/328	337/412/405	348/412/411	506/625/655	775/817/950
1192/1453/1438	1363/1681/1664	1433/1742/1710	1484/1742/1755	1676/2027/1993	1989/2347/2350
350/350/350	350/350/350	350/380/350	350/380/350	440/440/440	440/455/440
652/474/475	681/474/475	748/475/475	755/475/475	885/547/562	967/551/562
100-130 1420-1846 97-127	110-140 1562-1988 108-137	120-150 1704-2130 118-147	120-150 1704-2130 118-147	130-160 1846-2272 128-157	150-170 2130-2414 147-166
30-60	40-70	50-90	50-90	60-100	80-110
600-1100	500-900	400-800	400-800	400-800	350-700
1/2	1/2	1/2	1/2	3/4	3/4
60	68	75	75/80	85	100
4-6	4-7	6-9	6-9	7-14	10-15

# MEDIUM-DUTY HYDRAULIC BREAKER



BOX-SILENCED TYPE

SPECIFICATION	UNIT	EDDIE125 EDT1600	EDDIE135 EDT2000	EDDIE135F EDT2000F	EDDIE135M
Body Weight	kg	620	850	846	754
Total Weight (Side/Top/Box)	kg	1224/1287/1285	1572/1859/1685	1576/1870/1682	1503/1795/1611
Length (Side/Top/Box)	mm	2286/2723/2750	2432/2835/2750	2259/2691/2750	2248/2672/2754
Width (Side/Top/Box)	mm	545/545/565	565/565/565	565/565/565	565/565/565
Height (Side/Top/Box)	mm	1114/619/666	1237/707/560	1237/707/560	1235/707/560
Operating Pressure	kg/cm <sup>2</sup>	150-170	160-180	160-180	160-190
	psi	2130-2414	2272-2556	2272-2556	2272-2698
	bar	147-166	157-177	157-177	157-186
Oil Flow Range	L/min	90-120	130-150	145-180	115-160
Impact Frequency	bpm	350-650	400-600	360-460	360-700
Diameter of Hose	inch	1	1	1	1
Diameter of Tool	mm	125	135	135	135
Suitable Carrier	ton	15-18	18-26	18-26	18-26

The specified weights are for standard carriers only.

## APPLICATION

- Secondary and primary breaking in mining construction
- Crushing of reinforced concrete structures in demolition and renovation projects
- Demolition of lightweight structures in river dredging and widening construction
- Bench leveling and arch surface scaling in tunnel construction
- Slag recovery and clearing of blockages in crushing stations in the metallurgical industry



EDDIE140 EDT2200	EDDIE140A EDT2200A	EDDIE150 EDT3000	EDDIE155 EDT3200	EDDIE165 EDT3500F	EDDIE160 EDT4000
920	956	1092	1313	1590	1400
1781/2048/1872	1826/2093/1917	2188/2511/2351	2484/2774/2716	3156/3511/3183	-/3116/2993
2479/2900/2860	2479/2900/2860	2575/3027/3020	2767/3219/3088	3000/3458/3450	-/3262/3145
565/565/565	565/565/565	665/665/665	665/665/665	665/665/665	-/655/655
1316/707/560	1316/707/560	1353/760/760	1390/760/799	1526/760/840	-/760/837
160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177	160-180 2272-2556 157-177
120-180	120-180	150-190	180-240	200-250	190-240
350-550	350-550	350-700	300-450	200-380	250-380
1	1	1	1 1/4	1 1/4	1 1/4
140	140	150	155	165	160
18-26	18-26	27-35	28-35	35-40	35-40

# HEAVY-DUTY HYDRAULIC BREAKER



SPECIFICATION	UNIT	EDDIE175 EDT4500S	EDDIE185	EDDIE195	EDDIE200	EDDIE205
Body Weight	kg	1960	2375	2823	3077	3339/7345
Total Weight (Side/Top/Box)	kg	3806/4232/3789	4655/5102/5226	5418/5810/5823	5985/6536/6243	6250/6280/6700
Length (Side/Top/Box)	mm	3128/3732/3729	3284/3875/3882	3596/4030/4043	3479/4060/4189	3570/4233/4347
Width (Side/Top/Box)	mm	755/755/755	755/755/755	755/755/755	755/755/755	755/805/805
Height (Side/Top/Box)	mm	1600/908/908	1642/908/940	1690/908/940	1707/950/1000	1853/1017/1009
Operating Pressure	kg/cm <sup>2</sup>	160-180	180-220	200-240	200-240	230-260
	psi	2272-2556	2558-3126	2842-3410	2842-3410	3268-3695
	bar	157-177	176-215	196-235	196-235	225-255
Oil Flow Range	L/min	200-260	240-300	290-360	300-370	320-390
Impact Frequency	bpm	200-300	180-250	150-200	150-200	130-170
Diameter of Hose	inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2
Diameter of Tool	mm	175	185	195	200	205
Suitable Carrier	ton	36-45	42-55	48-60	48-60	55-65

The specified weights are for standard carriers only.

## APPLICATION

- Secondary and primary demolition in mining construction
- Rock breaking in tunnel excavation
- Rock breaking in river dredging and widening construction



EDDIE210	EDDIE215	EDDIE220	EDDIE230	EDDIE248	EDDIE258
3400	3577	3939	4153	5047	5994
6476/7225/7000	6760/7513/7453	7334/8147/8053	8236/9032/8950	9450/11400/10500	10685/11420/11820
3613/4360/4400	3687/4360/4408	3841/4470/4518	3797/4690/4612	4029/4975/4788	4251/4750/4970
805/805/805	864/864/864	865/865/865	865/865/865	855/980/1000	955/955/1000
1811/1017/1030	1911/1030/1050	1908/1030/1100	1976/1030/1100	2030/1230/1300	2099/1080/1300
230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255	230-260 3268-3695 225-255
340-420	360-460	350-400	420-540	450-550	500-600
130-170	130-170	90-130	130-170	110-150	110-140
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
210	215	220	230	248	258
55-65	65-75	65-80	80-100	85-120	87-140

# FULLY HYDRAULIC BREAKER



SPECIFICATION	UNIT	EDDIE100Y	EDDIE120Y	EDDIE135Y	EDDIE150Y	EDDIE160Y	EDDIE170Y	EDDIE190Y
Body Weight	kg	460	705	1030	1189	1461	1910	2690
Total Weight (Side/Top/Box)	kg	985	1510	2143	2302	3201	3911	5578
Length (Side/Top/Box)	mm	2331	2781	2997	3273	3631	3720	4067
Width (Side/Top/Box)	mm	565	640	688	688	771	794	912
Height (Side/Top/Box)	mm	640	690	717	759	928	928	938
Operating Pressure	kg/cm <sup>2</sup>	120-140	135-145	160-180	160-180	160-180	160-180	160-180
	psi	1704-1988	1704-1988	2272-2556	2272-2556	2272-2556	2272-2556	2272-2556
	bar	118-138	118-138	157-177	157-177	157-177	157-177	157-177
Oil Flow Range	L/min	70-100	100-170	120-180	160-230	180-270	250-350	280-380
Impact Frequency	bpm	350-660	350-610	370-560	370-560	370-540	370-520	320-430
Diameter of Hose	inch	3/4	1	1	1	1 1/4	1 1/4	1 1/4
Diameter of Tool	mm	100	120	135	150	160	170	190
Suitable Carrier	ton	10-15	14-26	20-30	25-40	30-50	36-55	45-80
Accumulator	-	Yes						

The specified weights are for standard carriers only.

# FULLY HYDRAULIC BREAKER

- High-quality shock-absorbing modules reduce operational vibrations, ensuring a better driving experience.
- The piston's rear end is designed without a nitrogen chamber, eliminating the need for nitrogen refilling and avoiding efficiency loss and equipment failure due to nitrogen leakage. Additionally, the large accumulator design ensures system pressure stability.



## ADVANTAGES

- The inlet check valve prevents rapid pressure loss within the breaker, enabling quicker response during intermittent operations.
- The auto-lubrication function can apply grease to the inner and outer bushings, extending component life and reducing manual labor intensity.
- The piston impact stroke can be adjusted according to operating conditions to achieve higher impact efficiency.
- Anti-blank firing function can be enabled based on working conditions, preventing blank impact and reducing breaker failure rates.
- The return pressure control valve ensures start-up pressure closer to the rated working pressure, reducing hydraulic shocks and ensuring stable system operating pressure.

# SKID STEER LOADER BREAKER

The mounting plate is specially designed to better match the skid steer loader, ensuring the impact efficiency and stability.

The front end adopts a reinforced design, with a stronger structure and more reliable quality.

**SUITABLE MODEL:**

- EDDIE45
- EDDIE53
- EDDIE68
- EDDIE75
- EDDIE85
- EDDIE100



# BACKHOE LOADER BREAKER

Compact and simple structural design, ensuring better compatibility with Backhoe Loaders.

Dual pinhole design at the link connection allows two strike angles, enabling the equipment to adapt to more complex working conditions.

The arc-shaped design at the connection between the frame and the equipment enhances the frame's strength, ensuring reliability under harsh conditions.

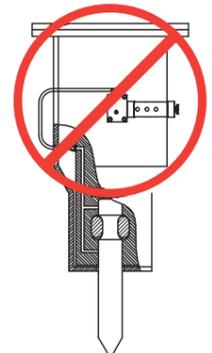
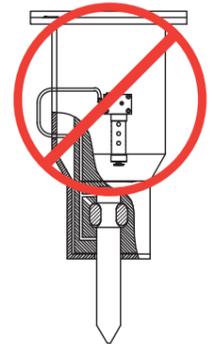
**SUITABLE MODEL:**

- EDDIE53
- EDDIE68
- EDDIE75
- EDDIE80
- EDDIE85



# AUTO-GREASE DEVICE

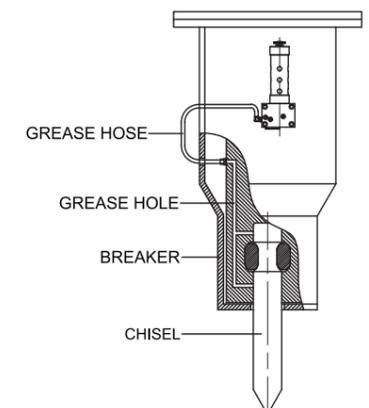
SPECIFICATION	AGD-H2		AGD-Z5	
Output Pressure	18bar-164bar		20bar-60bar	
Cartridge Capacity	400ml		500ml	
Exterior Size	165*88*252mm		140*91*320mm	
Weight Without Grease	3.9Kg		3.9Kg	
Output Port Size	PF 1/4"		PF 1/4"	
Running Time of Cartridge (Normal Condition)	50cc/100cc/1 hour	1 or 2 Cartridges/1 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	



H2 (Hydraulic Drive Type)



Z5 (Mechanic Type)



# PIPING KITS



Foot Pedal (Pedal Valve)



Stop Valve



Flange Clamp



Hose



Pipe Clamp



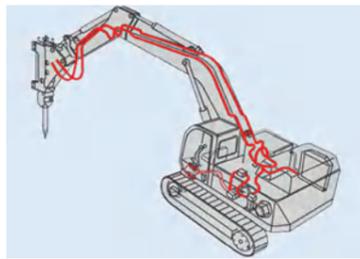
Support Plate



Filter and Accumulator (option)



Steel Pipe



# SPARE PARTS



Mounted Pin Kit



Through Bolt



Side Bolt



Control Valve



N<sub>2</sub> Charging Kit



Front Cover



Ring Bush



Accumulator



Front Head



Seal Kit



Piston



Chisel



Cylinder With Piston



Rod Pin



Mount Pin



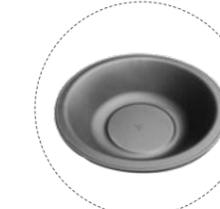
Mount Pin Bush



Flange Adapter



Damper

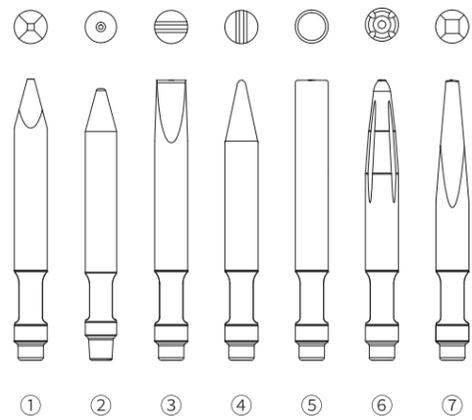


Diaphragm



Main Valve Assy

# TOOL / BIT / POINT ROD / CHISEL



Type	Cobe	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

SPECIFICATION	EDDIE35	EDDIE40	EDDIE45	EDDIE53	EDDIE68
Dia. (mm)	35	40	45	53	68
Length (mm)	400	430	500	580	702
Weight (kg)	3	4	8	9	18

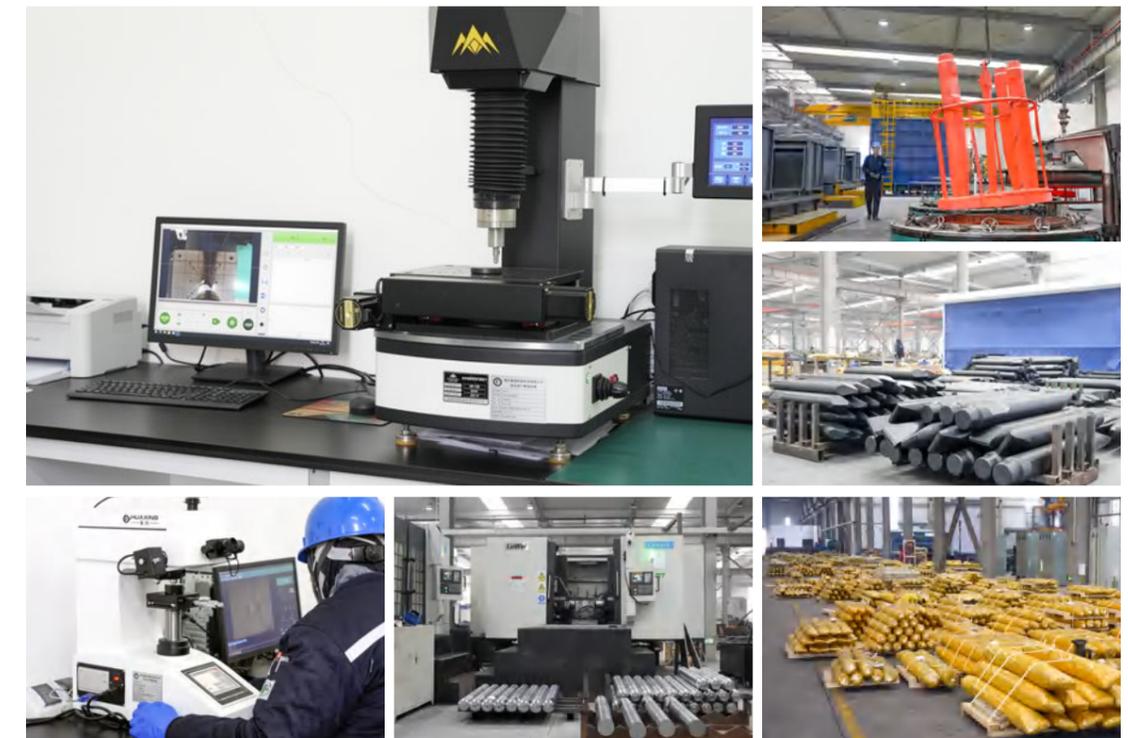
SPECIFICATION	EDDIE75	EDDIE75/80	EDDIE85	EDDIE100	EDDIE120
Dia. (mm)	75/80	40	85	100	120
Length (mm)	755	430	745	1055	1120
Weight (kg)	22	26	29	57	90

SPECIFICATION	EDDIE125	EDDIE135	EDDIE135M	EDDIE140A	EDDIE150
Dia. (mm)	125	135	135	140	150
Length (mm)	1130	1200	1200	1300	1300
Weight (kg)	94	115	131	135	157

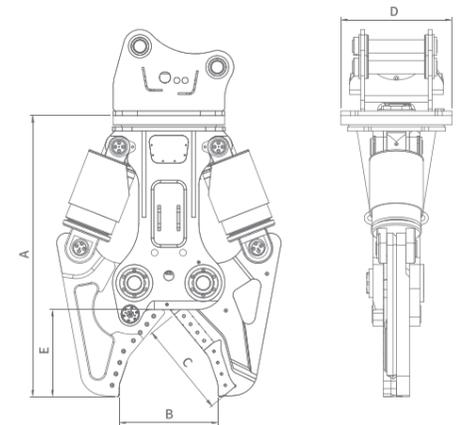
SPECIFICATION	EDDIE155	EDDIE165	EDDIE160	EDDIE175	EDDIE185
Dia. (mm)	155	165	160	175	185
Length (mm)	1500	1500	1400	1600	1700
Weight (kg)	190	215	200	240	260

SPECIFICATION	EDDIE195	EDDIE200	EDDIE210	EDDIE215	EDDIE220
Dia. (mm)	195	200	210	215	220
Length (mm)	1800	1650	1750	1750	1800
Weight (kg)	304	316	365	387	427

SPECIFICATION	EDDIE230	EDDIE248	EDDIE258	EDDIE170Y	EDDIE190Y
Dia. (mm)	230	248	258	170	190
Length (mm)	1800	1900	1950	1500	1600
Weight (kg)	460	590	662	235	312



# HYDRAULIC SHEAR(SH TYPE)



- Equipped with a high-flow acceleration valve, achieving a 30% improvement in control efficiency compared to traditional systems.
- Features high-strength lateral support, enhancing the deformation resistance of the cutting edge.
- Utilizes high-strength, high-pressure-resistant hydraulic cylinders, with fully forged pistons for increased strength and pressure resistance (up to 60 MPa).
- Blades made from imported materials offer 20% longer lifespan compared to similar products on the market and can be rotated for four-edge use.

DIM.	FC08 SH	FC25 SH	FC30 SH	FC40 SH
A	1145	1727	1777	2115
B	420	680	745	800
C	380	560	610	710
D	486	685	760	840
E	327	510	550	650

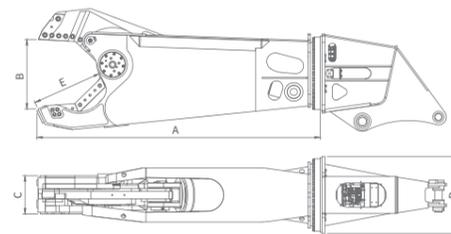
Unit: mm

SPECIFICATION	FC08 SH	FC25 SH	FC30 SH	FC40 SH
Max Opening Width	420mm	680mm	745mm	800mm
Weight	650kg	2500kg	2960kg	4200kg
Shear Force (average)	486kN	1550kN	1660kN	2540kN
Working Pressure (Cylinder)	180-250kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>
Oil Flow (Cylinder)	50-100L/min	180-240L/min	180-240L/min	180-240L/min
Working Pressure (Motor)	60-90kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Oil Flow (Motor)	20-30L/min	30-50L/min	30-50L/min	30-50L/min
Suitable Carrier	6-13t	17-25t	20-30t	30-40t
Rotation Mode	Hydraulic rotating, 360° free rotation.			

# EAGLE SHEAR



- Diverse matching options allow compatibility with different mounting heads, connecting to both booms and arms of excavators, making it widely applicable.
- Equipped with a high-flow acceleration valve for efficient energy regeneration, improving opening and closing efficiency, eliminating pressure spikes, and extending the lifespan of hydraulic components.
- High-strength two-way support, providing strong support for shearing large components.
- Uses imported, high-displacement motors and high-quality rotation mechanisms, ensuring system stability and long service life.
- German imported material blades provide high strength and long durability.

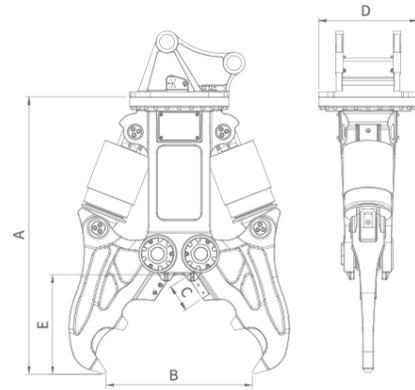


Unit: mm

DIM.	FCS08	FCS15	FCS20	FCS30	FCS40	FCS50	FCS60
A	1540	2043	2390	2635	2890	3347	3845
B	319	463	563	613	600	810	930
C	249	300	328	362	430	500	520
D	486	616	662	732	816	1038	1038
E	309	442	507	587	620	787	940

SPECIFICATION	FCS08	FCS15	FCS20	FCS30	FCS40	FCS50	FCS60
Max Opening Width	319mm	463mm	563mm	613mm	600mm	810mm	930mm
Weight (Boom)	/	/	2400kg	3080kg	4200kg	7000kg	7800kg
Weight (Arm)	660kg	1400kg	2100kg	2700kg	3800kg	6650kg	7500kg
Operation Pressure (Closed)	200-300kg/cm <sup>2</sup>	200-300kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	275-380kg/cm <sup>2</sup>
Oil Flow (Closed)	60-120L/min	140-240L/min	180-240L/min	180-240L/min	200-250L/min	250-300L/min	300-560L/min
Operation Pressure (Motor)	60-90kg/cm <sup>2</sup>	60-90kg/cm <sup>2</sup>	80-140kg/cm <sup>2</sup>	80-140kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	140-170kg/cm <sup>2</sup>	140-170kg/cm <sup>2</sup>
Oil Flow (Motor)	30-50L/min						
Shear Force (Max)	2880kN	3525kN	4990kN	6960kN	4850kN	5800kN	10960kN
Suitable Carrier (Arm)	6-10t	10-16t	17-25t	26-35t	30-38t	40-60t	60-70t
Suitable Carrier (Boom)	/	/	11-16t	17-25t	20-28t	35-40t	40-50t

# HYDRAULIC CRUSHER CR TYPE



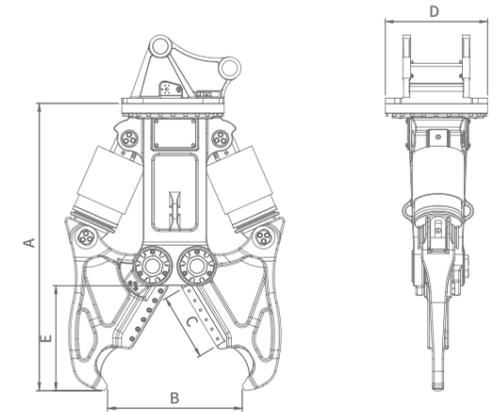
Unit: mm

- CR Type is suitable for the initial dismantling of concrete building structures, with a large-sized mouth opening and multi-point crushing jaw structure, which maximizes the efficiency of concrete decomposition;
- Compared to traditional welded plate structures, the overall casting has increased strength and lifespan by 1.5 times.

DIM.	FC10D CR	FC15D CR	FC20D CR
A	1237	1814	2043
B	620	950	1081
C	125	185	200
D	486	662	732
E	419	643	724

SPECIFICATION	FC10D CR	FC15D CR	FC20D CR
Max Opening Width	620mm	950mm	1081mm
Weight	660kg	1960kg	2700kg
Crushing Force	380kN	790kN	1078kN
Shear Force	1460kN	3050kN	4154kN
Working Pressure (Cylinder)	200-300kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>
Oil Flow (Cylinder)	60-120L/min	140-240L/min	180-240L/min
Working Pressure (Motor)	60-90kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Oil Flow (Motor)	20-30L/min	30-50L/min	30-50L/min
Suitable Carrier	11-16t	17-25t	26-35t
Rotation Mode	Mechanical or hydraulic type 360° free rotation		

# HYDRAULIC CRUSHER CC TYPE



Unit: mm

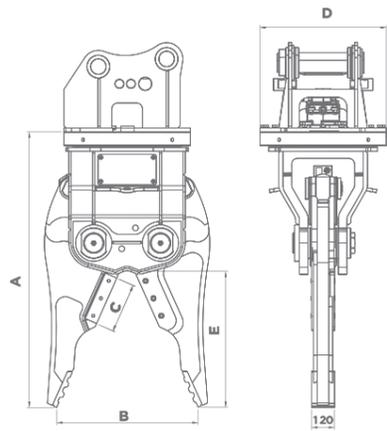
- The CC Type incorporates a hybrid dual-purpose jaw design and extended shear blades, delivering significantly enhanced cutting efficiency for structural beams (including reinforced concrete and steel girders) as well as high-density rebar concrete structures.
- The high-flow acceleration valve enhances control efficiency by 30% compared to conventional systems.

DIM.	FC08D CC	FC15D CC	FC20D CC
A	1155	1815	2017
B	581	846	1000
C	240	420	480
D	486	662	732
E	357	639	718

SPECIFICATION	FC08D CC	FC15D CC	FC20D CC
Max Opening Width	581mm	846mm	1000mm
Weight	570kg	2060kg	2680kg
Crushing Force	278kN	886kN	1200kN
Shear Force	700kN	2250kN	3020kN
Working Pressure (Cylinder)	180-250kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>
Oil Flow (Cylinder)	50-100L/min	140-240L/min	180-240L/min
Working Pressure (Motor)	60-90kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Oil Flow (Motor)	20-30L/min	30-50L/min	30-50L/min
Suitable Carrier	6-13t	17-25t	26-35t
Rotation Mode	Mechanical or hydraulic type 360° free rotation		

# CAR DISMANTLING SHEAR

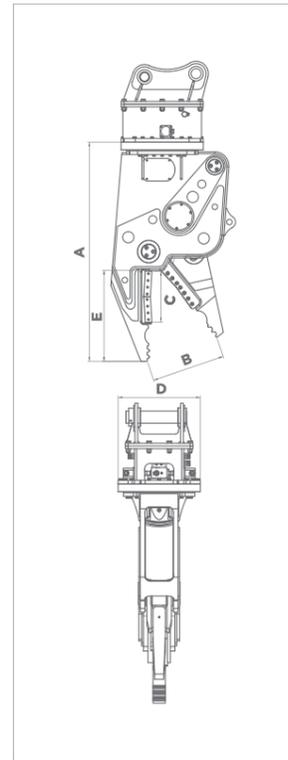
- Equipped with high-flow acceleration valve: Enables intelligent energy recovery, significantly improves opening/closing efficiency, eliminates pressure spikes, and extends hydraulic component service life.
- Utilizing imported motors and high-quality slewing bearings, the system enhances the longevity of the rotation mechanism and overall stability, enabling 360° unrestricted free rotation.
- The interlocking tooth design ensures secure gripping of demolition materials, making it widely applicable in automotive and large hydraulic vessel dismantling operations.



L: Large Model

Unit: mm

SPECIFICATION	FCP18L	FCP20	DIM.	FCP18L
Max Opening Width	750mm	660mm	A	1440
Weight	930kg	2250kg	B	750
Crushing Force	480kN	945kN	C	260
Shear Force	120kN	390kN	D	665
Working Pressure (Cylinder)	240-300kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	E	710
Working Pressure (Motor)	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	DIM.	FCP20
Oil Flow (Cylinder)	180-200L/min	180-240L/min	A	1950
Oil Flow (Motor)	30-50L/min	30-50L/min	B	660
Suitable Carrier	13-25t	20-30t	C	450
Rotation Mode	Hydraulic type 360° free rotation		D	732
			E	805



# HYDRAULIC PULVERIZER ROTARY TYPE



FRP18C



FRP20C

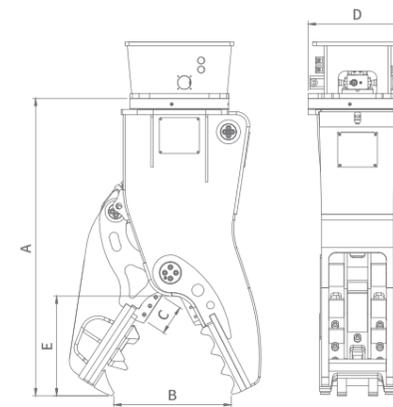
- Large flow accelerating valve: Reasonable flow circulation, effectively improves opening and closing efficiency, eliminates pressure peaks, and extends the service life of hydraulic parts.
- Inverted cylinder: The piston adopts the integral forging process, with high strength and high-pressure resistance. It is assembled inverted, and the piston rod is protected inside and not easily scratched.
- Replaceable teeth: Two types of replaceable teeth are available.

Unit: mm

DIM.	FRP18C	FRP20	FRP20C
A	1850	1980	1980
B	660	850	800
C	140	200	200
D	662	662	662
E	585	645	670

C:Change Jaw.

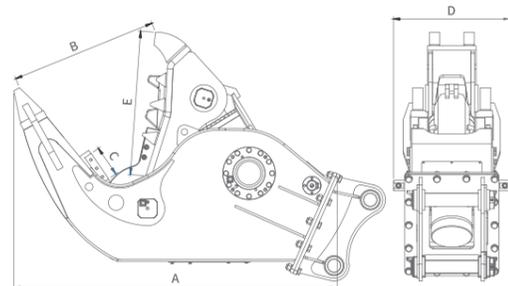
SPECIFICATION	FRP18C	FRP20	FRP20C
Max Opening Width	660mm	850mm	800mm
Weight	1800kg	2400kg	2500kg
Shear Force (average)	1460kN	2700kN	2700kN
Crushing force (end)	520kN	800kN	800kN
Working Pressure (Cylinder)	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>
Oil Flow (Cylinder)	140-240L/min	180-240L/min	180-240L/min
Working Pressure (Motor)	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Oil Flow (Motor)	30-50L/min	30-50L/min	30-50L/min
Suitable Carrier	15-20t	20-30t	20-30t
Teeth	Single tooth	Fixed and cannot be replaced	Whole jaw plate replaceable
Rotation Mode	Hydraulic rotation, 360° free rotation.		



# HYDRAULIC PULVERIZER FIXED TYPE



- The special welding process of steel plate greatly improves the welding quality of the jaws.
- Large flow accelerating valve: Reasonable flow circulation, effectively improves opening and closing efficiency, eliminates pressure peaks, and extends the service life of hydraulic parts.
- Diversified design of jaw plates maximizes crushing.
- The movable jaw plate and fixed jaw plate are made of imported HARDOX steel, so the jaw plate is light weight, high strength and strong wear resistance.



Unit: mm

DIM.	FP08	FP15	FP20	FP20I	FP30	FP30C
A	1370	1670	2025	1780	2525	2500
B	620	750	850	760	1150	1000
C	125	185	200	200	240	240
D	560	630	760	700	920	920
E	625	720	845	850	1110	1050

I: Inverted Cylinder. C: Change Jaw.

SPECIFICATION	FP08	FP15	FP20	FP20I	FP30	FP30C
Max Opening Width	620mm	750mm	850mm	760mm	1150mm	1000mm
Weight	710kg	1250kg	2000kg	1850kg	3500kg	3500kg
Shear Force (Average)	885kN	1650kN	2330kN	2320kN	2795kN	2795kN
Crushing Force (End)	390kN	550kN	880kN	410kN	1150kN	1150kN
Working Pressure	200-300kg/cm <sup>2</sup>	200-300kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>	300-350kg/cm <sup>2</sup>
Oil Flow	60-120L/min	140-240L/min	180-240L/min	180-240L/min	200-250L/min	200-250L/min
Suitable Carrier	7-10t	11-17t	18-27t	18-27t	28-45t	28-45t
Rotation Mode	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

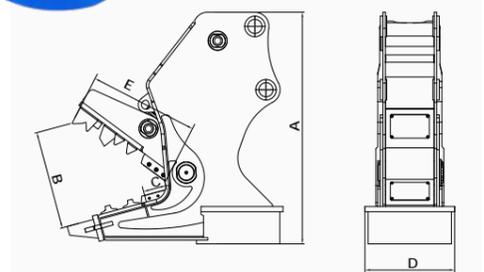
# MAGNET TYPE HYDRAULIC PULVERIZER

- The special welding process of steel plate greatly improves the welding quality of the jaws.
- Large flow accelerating valve: Reasonable flow circulation, effectively improves opening and closing efficiency, eliminates pressure peaks, extends the service life of hydraulic parts.



Equipped with multiple functions including clamping, cutting, and gripping, suitable for various demolition conditions.

- Powered by the excavator's engine, easy to install, reliable operation



Unit: mm

DIM.	A	B	C	D	E
FP20I-M	1780	760	200	700	850

FP20I-M			
Max Opening Width	760mm	Current	15A
Total Weight	1850kg	Power	5kW
Shear Force(Average)	2320kN	Working Pressure	300-350kg/cm <sup>2</sup>
Crush Force(End)	410kN	Oil Flow Range	180-240kg/cm <sup>2</sup>
Suitable Carrier	18-27t	Rotation Type	Fixed type

# WOOD/STONE GRAPPLE

- The imported motors and high-quality rotary mechanism improve the lifetime of the rotary device, the stability of the system, and can 360° degrees rotate freely.
- A variety of different functions of the teeth can be applied to different grabbing working conditions.
- Imported HARDOX wear-resistant steel is used, which has a light texture, high strength, and strong wear resistance.
- The motor adopts a double-balance control hydraulic system design to reduce the impact on the motor.
- The design of large-capacity cylinders with a hydraulic balance system ensures the durability of grabbing.

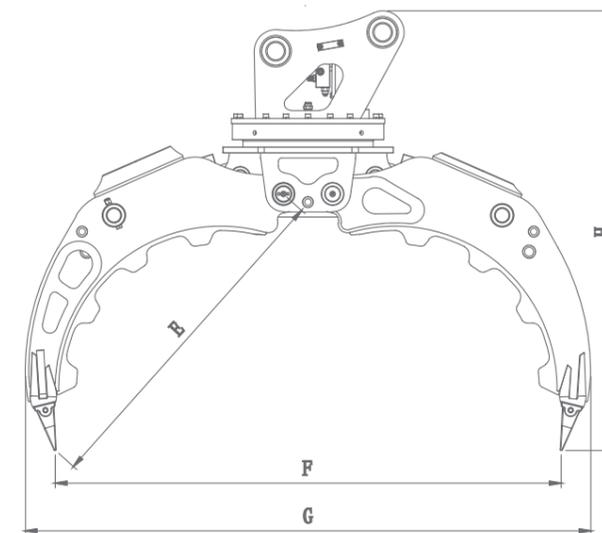
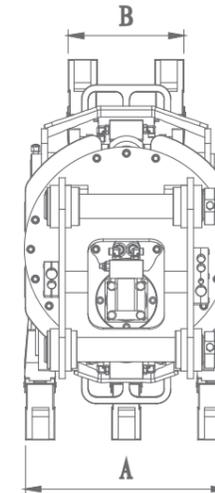


WOOD GRAPPLE

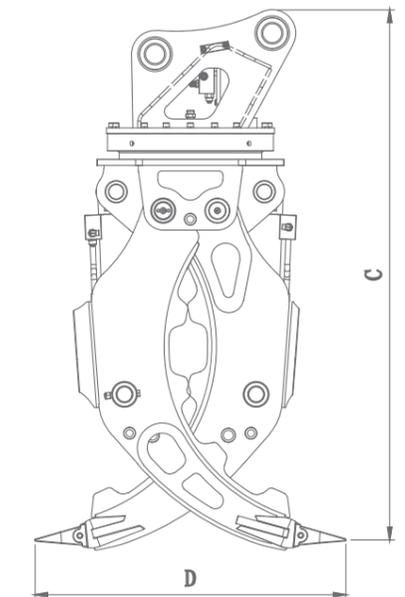


STONE GRAPPLE

SPECIFICATION	FGW(S)03	FGW(S)04	FGW(S)06	FGW(S)08	FGW(S)10
Max Opening Width	1300mm	1400mm	1800mm	2300mm	2500mm
Weight	350kg	390kg	740kg	1380kg	1700kg
Working Pressure (Cylinder)	110-140kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	150-170kg/cm <sup>2</sup>	160-180kg/cm <sup>2</sup>	160-180kg/cm <sup>2</sup>
Working Pressure (Motor)	30-55L/min	50-100L/min	90-110L/min	100-140L/min	130-170L/min
Oil Flow(Cylinder)	60-90kg/cm <sup>2</sup>	60-90kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Oil Flow (Motor)	20-30L/min	20-30L/min	30-50L/min	30-50L/min	30-50L/min
Unload Weight	1500kg	2000kg	3000kg	5000kg	8000kg
Suitable Carrier	4-6t	7-11t	12-16t	17-24t	25-35t



# WOOD/STONE GRAPPLE



Unit: mm

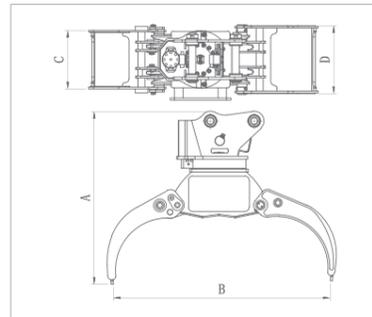
Model	A	B	C	D	E	F	G	H
FGW03/FGS03	420	240	1270	680	865	1300	1410	1175
FGW04/FGS04	420	240	1250	695	916	1400	1520	1145
FGW06/FGS06	550	320	1730	735	1115	1800	1950	1525
FGW08/FGS08	660	380	2110	1240	1500	2300	2470	1920
FGW10/FGS10	750	420	2230	1325	1595	2500	2790	2095

# LOG GRAPPLE

Suitable for timber loading and unloading at timber mills and ports. The claw-type structure has better stacking efficiency and operating experience.



P-TYPE LOG GRAPPLE (HUGGER TYPE)



The large-displacement motor and high-quality slewing structure improve the life of the device and the stability of the system, and it can rotate 360° freely without restrictions.

The single-cylinder double-claw linkage structure can accurately grab small objects such as logs and sugarcane, with high grabbing efficiency.

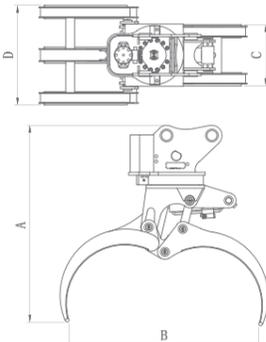
It is a light-load grapple, suitable for loading and unloading of small logs, pine, fir, and sugarcane.

Unit: mm

DIM.	FGL03P	FGL03F	FGL06F
A	1230	1350	1710
B	1500	1250	1440
C	415	420	415
D	485	680	700



F-TYPE LOG GRAPPLE (FIVE-CLAW TYPE)

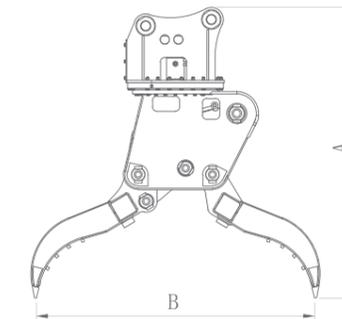
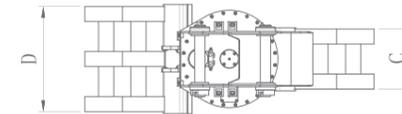


SPECIFICATION	FGL03P	FGL03F	FGL06F
Weight	390kg	390kg	820kg
Max Opening Width	1500mm	1250mm	1440mm
Working Pressure (Cylinder)	150-210kg/cm <sup>2</sup>	150-210kg/cm <sup>2</sup>	160-210kg/cm <sup>2</sup>
Working Pressure (Motor)	30-50L/min	30-50L/min	40-60L/min
Oil Flow (Cylinder)	60-90kg/cm <sup>2</sup>	60-90kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Oil Flow (Motor)	20-30L/min	20-30L/min	30-50L/min
Unload Weight	1500kg	1500kg	2000kg
Suitable Carrier	5-10t	5-10t	11-20t

F: Five-finger log grapple. P: Hugging-type log grapple.

# SCRAP GRAPPLE

- The fully closed gripper design has better picking properties for bulk and irregular materials.
- The extended gripper keeps the object away from hydraulic components such as cylinders, and has more advantages for gripping high-temperature objects in forging plants, steel mills, and foundries.

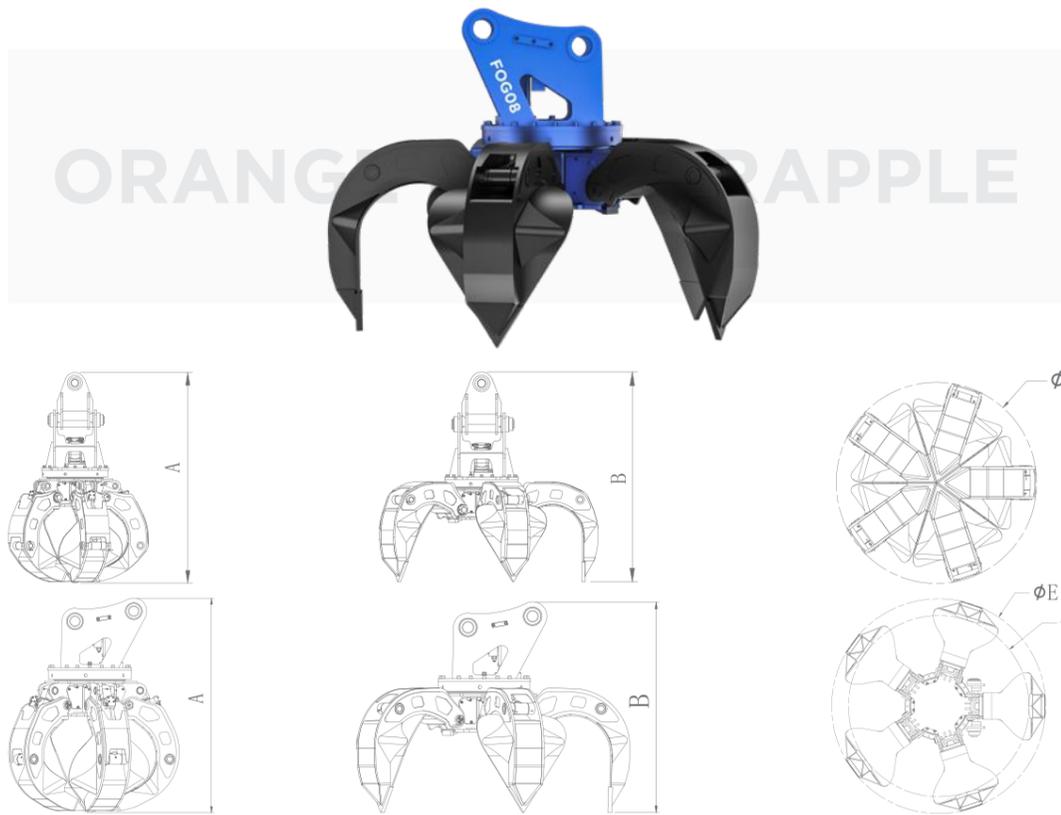


Unit: mm

DIM.	FGWS04	FGWS06	FGWS08
A	1560	1950	2400
B	1675	1850	2300
C	550	400	500
D	310	700	875

SPECIFICATION	FGWS04	FGWS06	FGWS08
Max Opening Width	1675mm	1850mm	2300mm
Weight	580kg	1000kg	1820kg
Working Pressure	240kg/cm <sup>2</sup>	274kg/cm <sup>2</sup>	274kg/cm <sup>2</sup>
Operation Flow (Grab)	90-110L/min	90-110L/min	120-200L/min
Operation pressure (Rotating)	140kg/cm <sup>2</sup>	140kg/cm <sup>2</sup>	140kg/cm <sup>2</sup>
Oil Flow (Motor)	30-50L/min	30-50L/min	40-60L/min
Suitable Carrier	5-10t	11-16t	10-40t

# ORANGE PEEL GRAPPLE



### STANDARD MODELS

- Optimized cylinder actuation maximizes load capacity within the effective gripping range, reducing machine operation time and improving work efficiency.
- Optimized grapple structure achieves the lightest weight and largest jaw opening in its class.
- Specially engineered meshing gears enhance load-bearing capacity, optimize stress distribution during operation, and improve transmission accuracy and smoothness.
- Specially engineered oil distributors and flow control valves ensure optimal stability and synchronization throughout the hydraulic system.
- Specialized welding techniques for premium-grade wear-resistant steel plates enhance the claw's abrasion resistance while ensuring superior weld integrity.

### UPGRADED MODEL

- Specially reinforced for high-intensity applications such as steel mills, with comprehensive structural enhancements.
- The main structure has been upgraded with wear-resistant steel plates applied to key components, significantly enhancing service life.
- Upgraded pin shaft heat treatment process enhances overall strength and durability.
- The main pin shaft's limit structure has been upgraded to a locking nut design, significantly enhancing the claw's anti-deformation capability.

### STANDARD MODELS

SPECIFICATION	FOG06	FOG06H	FOG08	FOG08H	FOG10	FOG10H
Max Opening Width	1650mm	1650mm	1800mm	1800mm	2050mm	2050mm
Weight	800kg	1040kg	1250kg	1490kg	1530kg	1680kg
Working Pressure (Cylinder)	140-180kg/cm <sup>2</sup>	140-180kg/cm <sup>2</sup>	160-200kg/cm <sup>2</sup>	160-200kg/cm <sup>2</sup>	160-200 kg/cm <sup>2</sup>	160-200kg/cm <sup>2</sup>
Oil Flow (Cylinder)	80-120L/min	80-120L/min	100-140L/min	100-140L/min	130-180L/min	130-180L/min
Working Pressure (Motor)	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>				
Oil Flow (Motor)	30-50L/min	30-50L/min	30-50L/min	30-50L/min	30-50L/min	30-50L/min
Payload Capacity	1100kg	1000kg	1500kg	1300kg	1700kg	1700kg
Grab Configuration	5	5	5	5	5	5
Suitable Carrier	12-16t	12-16t	17-24t	17-24t	25-35t	25-35t

### UPGRADED MODEL

SPECIFICATION	FOG06P	FOG06PH	FOG08P	FOG08PH		
Max Opening Width	1650mm	1650mm	1800mm	1800mm		
Weight	1100kg	1200kg	1550kg	1700kg		
Working Pressure (Cylinder)	140-180kg/cm <sup>2</sup>	140-180kg/cm <sup>2</sup>	160-200kg/cm <sup>2</sup>	160-200kg/cm <sup>2</sup>		
Oil Flow (Cylinder)	100-140L/min	100-140L/min	130-180L/min	130-180L/min		
Working Pressure (Motor)	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>		
Oil Flow (Motor)	30-50L/min	30-50L/min	30-50L/min	30-50L/min		
Payload Capacity	1100kg	1000kg	1500kg	1300kg		
Grab Configuration	5	5	5	5		
Suitable Carrier	12-16t	12-16t	17-24t	17-24t		

DIM.	FOG06/06P	FOG06H/06PH	FOG08/08P	FOG08H/08PH	FOG10	FOG10H
A	1520	1980	1720	2110	1830	2220
B	1340	1780	1530	1910	1590	1970
C	1365	1365	1505	1505	1680	1680
D	1650	1650	1800	1800	2050	2050
E	1920	1920	2140	2140	2440	2440

H:Single-shaft orange-peel grapple. P:Overall structure strengthened version.

Unit: mm

# DEMOLITION GRAPPLE



■ **BUILT-IN CYLINDER BUFFER**

The large-volume oil cylinder has a built-in buffer mechanism, which improves the demolition force while reducing the impact and extending the overall life.

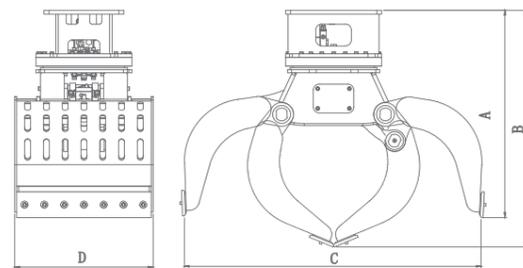
■ **SPECIAL BLADE**

The front blade is made of special high-strength material to improve wear resistance and impact toughness.

■ **HIGH STRENGTH IN MACHINE BODY**

The main parts are made of HARDOX steel plate and high-strength Q690 steel plate, the product strength and wear resistance are increased also reduced its own weight.

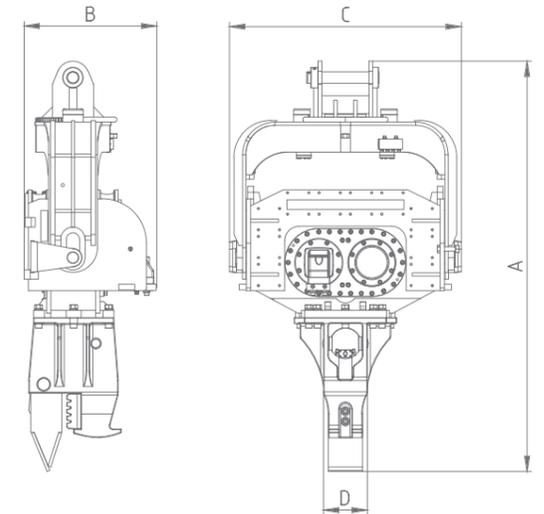
SPECIFICATION	FMG02	FMG03	FMG04	FMG06	FMG08	FMG10D
Weight	250kg	450kg	500kg	950kg	1400kg	2360kg
Bucket Capacity	0.07m <sup>3</sup>	0.14m <sup>3</sup>	0.25m <sup>3</sup>	0.54m <sup>3</sup>	0.8m <sup>3</sup>	1.0 m <sup>3</sup>
Max Holding Capacity	1.8t	2.3t	3.8t	5.4t	8.6t	11t
Max Working Pressure	250kg/cm <sup>2</sup>	250kg/cm <sup>2</sup>	300kg/cm <sup>2</sup>	300kg/cm <sup>2</sup>	350kg/cm <sup>2</sup>	350kg/cm <sup>2</sup>
Grab Operation Flow	20-30L/min	40-60L/min	70-110L/min	100-120L/min	120-160L/min	150-180L/min
Max Rotation Pressure	/	140kg/cm <sup>2</sup>				
Rotating Working Flow	/	30-50L/min	30-50L/min	30-50L/min	40-60L/min	40-60L/min
Suitable Carrier	2.5-4t	4-6t	6-10t	11-17t	18-27t	28-35t



Unit: mm

DIM.	FMG02	FMG03	FMG04	FMG06	FMG08	FMG10D
A	700	1070	1050	1320	1510	1580
B	780	1190	1200	1550	1770	1840
C	1160	1400	1500	1900	2200	2350
D	450	500	700	900	1050	1200

# VIBRATORY PILE DRIVER



Unit: mm

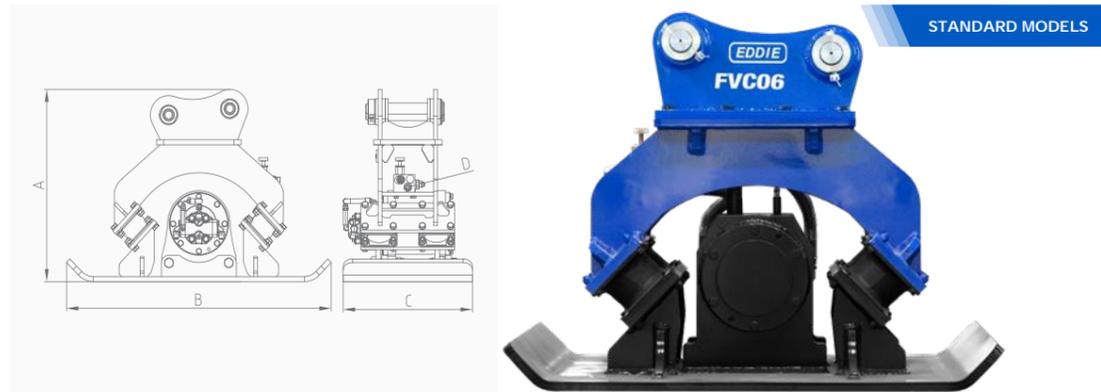
- High percentage of key component self-production rate, The quality control is implemented as per most strict standard.
- The multi-stage pressure-maintaining design of the clamp cylinder provides higher safety.
- High-strength, high-elasticity rubber blocks increase the vibration amplitude, reducing structural resonance, and increasing the lifetime of the equipment.

DIM.	FPD25	FPD35	FPD40	FPD45
A	2396	2526	2672	2672
B	798	821	897	897
C	1260	1420	1585	1585
D	193	193	362.5	362.5

SPECIFICATION	FPD25	FPD35	FPD40	FPD45
Weight	2165kg	2665kg	3320kg	3340kg
Eccentric Torque	36N.m	69N.m	84N.m	88N.m
Excitation Force	36t	51t	73.5t	78t
Vibration Frequency	3000Rpm	2800Rpm	2800Rpm	2800Rpm
Max Piling Depth	6-9m	6-15m	18m	21m
Suitable Carrier	18-25t	27-35t	36-44t	40-55t

# VIBRATORY COMPACTOR

# VIBRATORY COMPACTOR

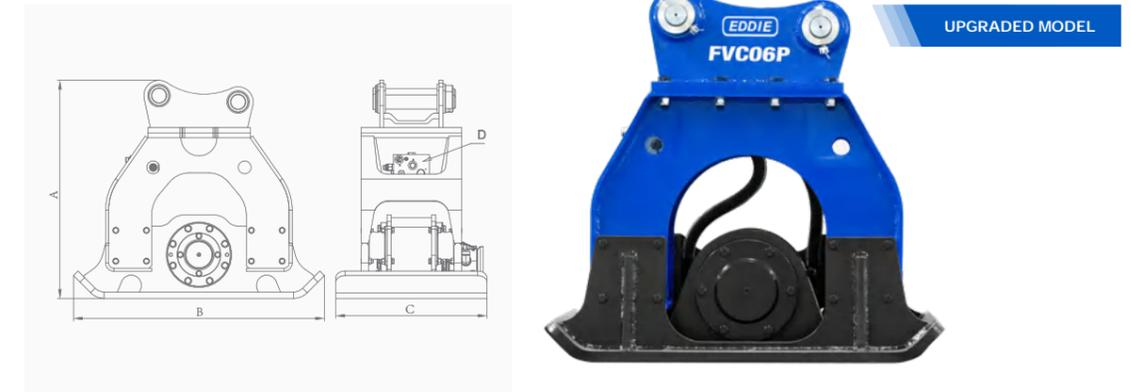


- The flow control valve works with the relief valve to adjust the flow within the appropriate range, ensuring impact speed and allowing compatibility with excavators of different flow rates.
- The straight-through check valve releases motor casing pressure in one direction, protecting the motor and extending its service life.
- Imported motor improves the service life and stability of the power box.
- The adoption of high elastic rubber damper can reduce excavator resonance and increase equipment lifetime.
- Made of high-strength and wear-resistant materials, it enhances the lifetime of hydraulic plate.

SPECIFICATION	UNIT	FVC02	FVC03	FVC04	FVC06	FVC08	FVC10
Weight	kg	230	355	450	700	1000	1100
Working Pressure	kg/cm <sup>2</sup>	40-100	80-120	90-130	100-140	150-180	150-180
Impact Power	kN	15	26	35	46	56	80
Oil Flow Range	L/min	30-50	50-70	60-80	80-120	100-170	120-210
Vibration Frequency	Vpm (max)	2000	2000	2000	2000	2000	2000
Suitable Carrier	t	1-3	4-6	7-10	11-16	17-23	24-35

Unit: mm

DIM.	FVC02	FVC03	FVC04	FVC06	FVC08	FVC10
A	690.5	774	780	960	1093	1104
B	783	1128	1135	1246	1620	1620
C	420	550	550	750	900	900
D	G1/2	G1/2	G1/2	G3/4	G1	G1



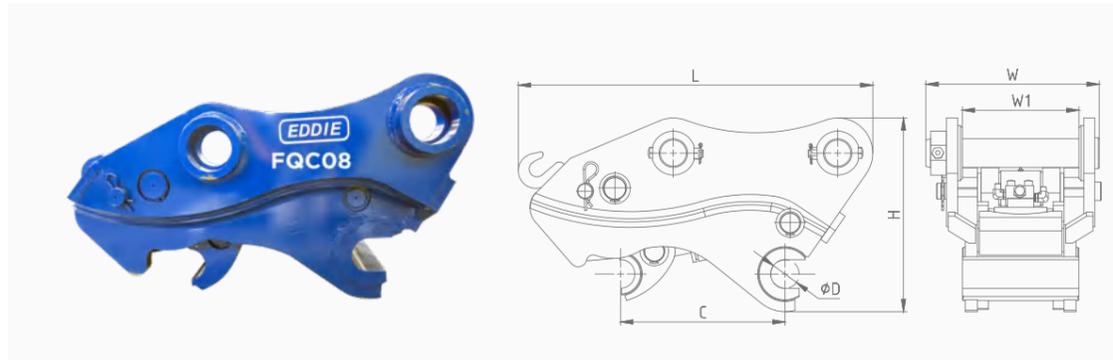
- Upgraded special vibration bearings with enhanced high-temperature and impact resistance performance.
- Improved vibration box structure for more uniform force distribution on the compaction plate, reducing the risk of vibration cracks and offering greater structural strength.
- Enhanced hydraulic control with constant pressure and steady flow design, plus return oil protection to prevent compound actions and high back pressure from damaging the motor.
- Upgraded motor with imported components, featuring a shaft seal pressure resistance three times higher, significantly reducing motor shaft seal oil leakage failures.
- Dual upgrades in vibration load and structural design, improving striking performance by approximately 15%.

SPECIFICATION	UNIT	FVC03P	FVC04P	FVC06P	FVC08P
Weight	kg	290	450	550	800
Working Pressure	kg/cm <sup>2</sup>	80-120	90-130	100-140	150-180
Impact Power	kN	28	40	55	78
Oil Flow Range	L/min	50-70	60-80	80-120	100-170
Vibration Frequency	Vpm (max)	2200	2000	2200	2000
Suitable Carrier	t	1-5	6-10	11-16	17-23

Unit: mm

DIM.	FVC03P	FVC04P	FVC06P	FVC08P
A	804	849	1010	1164
B	863	980	1062	1202
C	470	590	700	760
D	G1/2	G1/2	G3/4	G1

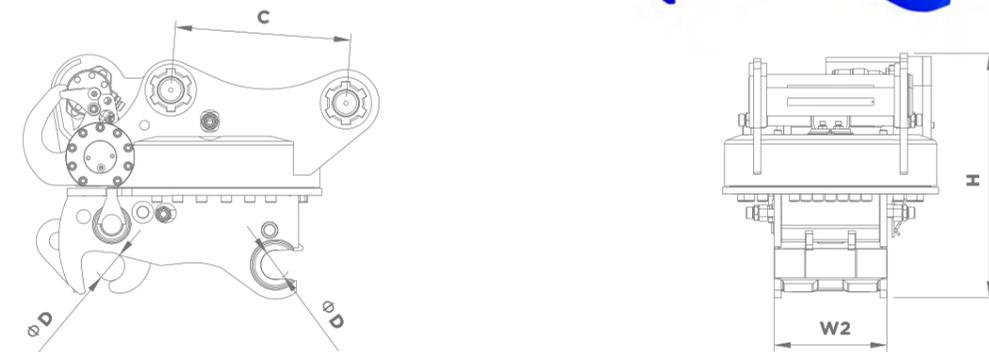
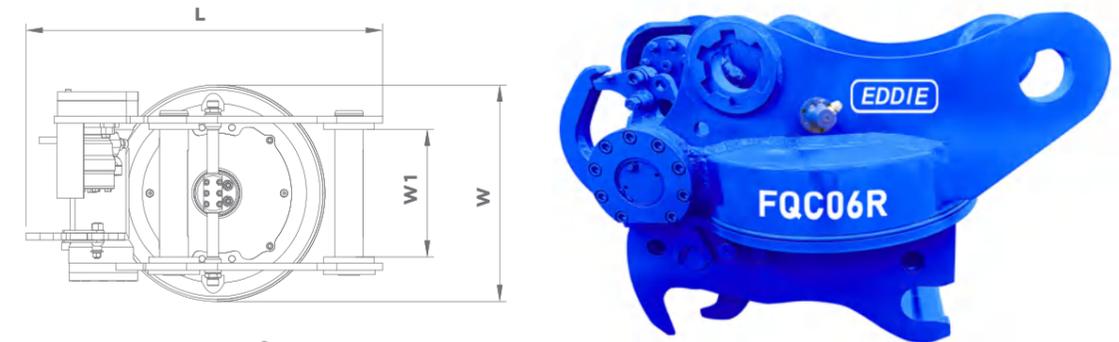
# QUICK COUPLER HYDRAULIC QUICK COUPLER



SPECIFICATION	FQC02	FQC03	FQC04	FQC05	FQC06
Length (L)	370-420mm	400-450mm	550-590mm	610-650mm	800-860mm
Height (H)	255-300mm	230-280mm	300-380mm	310-390mm	415-510mm
Width (W)	150-200mm	210-250mm	240-310mm	300-385mm	360-420mm
Pin Center (C)	85-180mm	170-245mm	245-300mm	290-360mm	350-420mm
Arm Width (W1)	90-120mm	110-160mm	150-230mm	220-280mm	250-320mm
Pin Diameter (ΦD)	Φ25-Φ30mm	Φ30-Φ40mm	Φ40-Φ50mm	Φ50-Φ60mm	Φ60-Φ70mm
Operating Pressure	30-150Kgf/cm <sup>2</sup>				
Oil Flow Range	10-30L/min	10-30L/min	10-30L/min	10-30L/min	10-30L/min
Weight	20-30kg	35-50kg	60-80kg	90-120kg	200-260kg
Suitable Carrier	1-2t	2.5-4t	5-6t	7-10t	11-17t

SPECIFICATION	FQC08	FQC09	FQC10	FQC12
Length (L)	1000-1050mm	1080-1150mm	1150-1250mm	1250-1350mm
Height (H)	500-580mm	550-615mm	575-650mm	600-660mm
Width (W)	450-560mm	530-640mm	580-650mm	630-700mm
Pin Center (C)	400-510mm	500-580mm	570-600mm	590-650mm
Arm Width (W1)	300-390mm	350-420mm	400-450mm	450-500mm
Pin Diameter (ΦD)	Φ80-Φ90mm	Φ90-Φ100mm	Φ100-Φ110mm	Φ110-Φ130mm
Operating Pressure	30-200Kgf/cm <sup>2</sup>	30-200Kgf/cm <sup>2</sup>	30-200Kgf/cm <sup>2</sup>	30-200Kgf/cm <sup>2</sup>
Oil Flow Range	10-30L/min	10-30L/min	10-30L/min	10-30L/min
Weight	340-380kg	530-580kg	700-760kg	750-850kg
Suitable Carrier	18-25t	25-36t	36-45t	45-55t

# R SERIES ROTARY QUICK COUPLER



ROTARY OPERATING PRESSURE	CLAMPING OPERATING PRESSURE	ROTARY OPERATING FLOW	CLAMPING OPERATING FLOW
5-14kg/cm <sup>2</sup>	3-10kg/cm <sup>2</sup>	60-70L/min	10-30L/min

TOTAL HEIGHT	TOTAL LENGTH	PIN DIAMETER	SUITABLE CARRIER	WEIGHT
555±5mm	492±5mm	60-70mm	10-16t	375kg

PIN CENTER	ARM WIDTH	LOWER OPENING (W2)
350-410mm (Customizable Solutions Available)	Customizable Solutions Available	Customizable Solutions Available

Equipped with 360° rotation, compatible with various attachments, reducing overall costs.

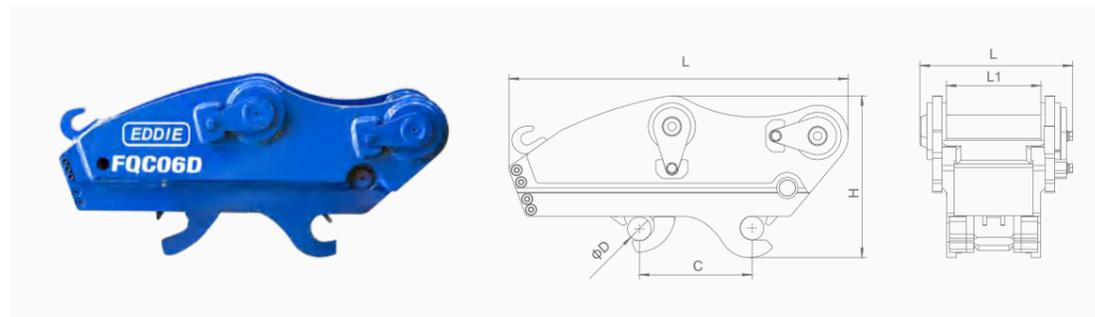
Turbine made with steel-bronze composite technology, providing both lubrication and impact resistance.

Comes with a high-flow rotary joint, suitable for attachments with high flow requirements such as breakers and vibratory compactors.

Double-lock structure ensures high safety performance.

Built-in gearbox transmission offers compact space usage and increased torque.

# D SERIES DOUBLE LOCK TYPE



SPECIFICATION	FQC02D	FQC03D	FQC04D	FQC05D	FQC06D	FQC08D	FQC09D	FQC10D
Length (L)	450-500mm	580-630mm	600-630mm	660-720mm	900-970mm	1000-1050mm	1300-1700mm	1100-1400mm
Width (W)	150-200mm	210-250mm	240-310mm	300-385mm	360-420mm	450-560mm	530-640mm	600-750mm
Pin Center (C)	85-180mm	170-245mm	245-300mm	290-360mm	350-420mm	400-510mm	500-580mm	Customizable Solutions Available
Arm Width (W1)	90-120mm	110-160mm	150-230mm	220-280mm	250-320mm	300-390mm	350-420mm	
Pin Diameter (ΦD)	25-30mm	35-40mm	45mm	50-55mm	60-70mm	80-85mm	90-95mm	100-120mm
Operating Pressure	30-150bar	30-150bar	30-150bar	30-150bar	30-150bar	30-200bar	30-200bar	30-200bar
Oil Flow Range	10-30L/min	10-30L/min	10-30L/min	10-30L/min	10-30L/min	10-30L/min	10-30L/min	10-30L/min
Weight	20-30kg	35-50kg	60-80kg	90-120kg	200-260kg	340-380kg	530-580kg	650-800kg
Suitable Carrier	1-2t	2.5-4t	5-6.5t	7-10t	11-17t	18-26t	26-35t	36-45t

### ADVANTAGES & FEATURES

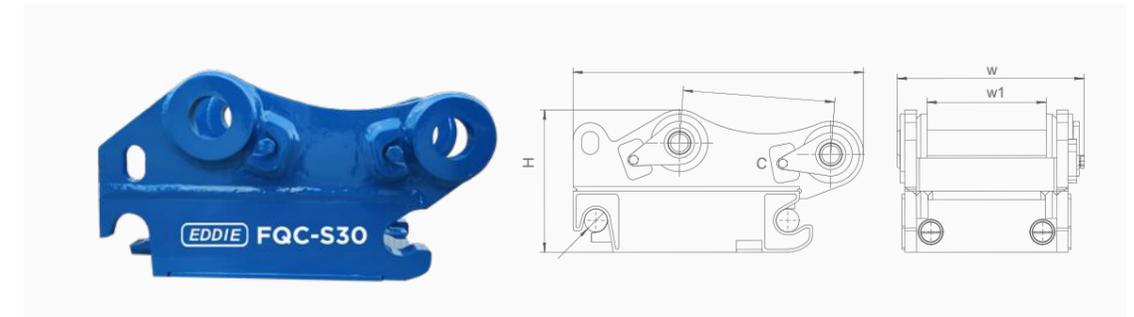
Double lock at front and rear to minimize the risk of attachment dropping.

Push-plate structure with reduced height and compact design compared to conventional couplers.

Lower plate bears the load, strong and durable, impact-resistant (in conventional couplers, the cylinder rod bears more stress).

Welded type: Customized product, can be manufactured to fit various excavator specifications in different markets, wide applicability.

# S SERIES DOUBLE LOCK TYPE



SPECIFICATION	FQC-S30	FQC-S40	FQC-S45	FQC-S50	FQC-S60
Overall Length (L)	230±0.1mm	300±0.1mm	429.7±0.1mm	429.7±0.1mm	497.7±0.1mm
Overall Height (H)	90mm	100mm	120mm	130mm	150mm
Overall Width (W)	180mm	198mm	290mm	270mm	340mm
Pin Diameter (ΦD)	20mm	40mm	45mm	50mm	60mm
Suitable Excavator	0-2t	2-6t	6-11t	6-11t	11-18t

SPECIFICATION	FQC-S65	FQC-S70	FQC-S70/55	FQC-S80	FQC-S90
Overall Length (L)	529.8±0.1mm	599.7±0.1mm	599.7±0.1mm	669.6±0.1mm	749.6±0.1mm
Overall Height (H)	150mm	200mm	200mm	230mm	250mm
Overall Width (W)	440mm	450mm	550mm	590mm	750mm
Pin Diameter (ΦD)	65mm	70mm	70mm	80mm	90mm
Suitable Excavator	18-22t	22-30t	22-32t	30-40t	40-70t

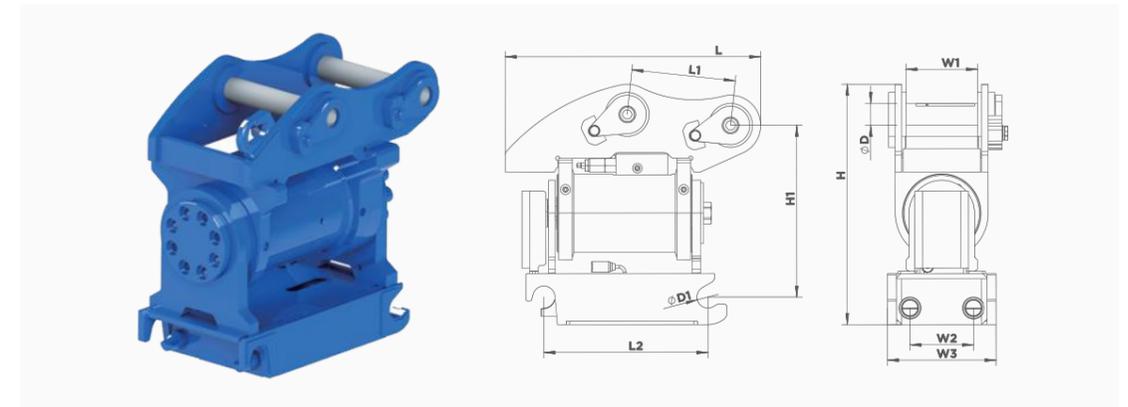
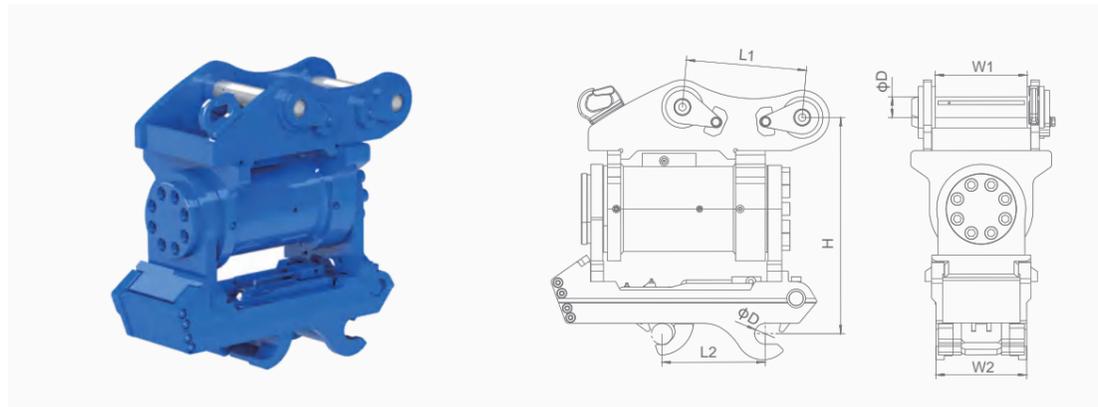
The S70 model features a 550mm overall width(w) configuration.

### ADVANTAGES & FEATURES

Complies with OS standards	Standardized dimensions for good compatibility	Double safety locking structure for reliable operation
Suitable for the European market	Low height with good load-bearing performance	Box-type structure for strength and durability

# T SERIES SWING QUICK COUPLER MODEL D

# T SERIES SWING QUICK COUPLER MODEL S



SPECIFICATION	FQCT-02D	FQCT-03D	FQCT-04D	FQCT-05D	FQCT-06D	FQCT-08D
Driving Torque	930N·m	1600N·m	4400N·m	7190N·m	14000N·m	18600N·m
Holding Torque	2400N·m	4400N·m	12000N·m	16500N·m	40000N·m	52000N·m
Working Pressure	21Mpa	21Mpa	21Mpa	21Mpa	21Mpa	21Mpa
Swing Angle	±90°	±90°	±90°	±90°	±70°	±70°
Quick Coupler Pressure	3-28MPa	3-28MPa	3-28MPa	3-28MPa	3-28MPa	3-28MPa

SPECIFICATION	FQCT-S40	FQCT-S45	FQCT-S60	FQCT-S70
Driving Torque	1600N·m	7190N·m	14000N·m	18600N·m
Holding Torque	4500N·m	16500N·m	40000N·m	452000N·m
Working Pressure	21Mpa	21Mpa	21Mpa	21Mpa
Swing Angle	±90°	±90°	±70°	±70°
Quick Coupler Pressure	3-28MPa	3-28MPa	3-28MPa	3-28MPa

SPECIFICATION	FQCT-02D	FQCT-03D	FQCT-04D	FQCT-05D	FQCT-06D	FQCT-08D
L1	85-180mm	170-245mm	245-300mm	290-360mm	350-420mm	400-510mm
L2	85-180mm	170-245mm	245-300mm	290-360mm	350-420mm	400-510mm
H	359mm	390mm	500mm	520mm	600mm	730mm
W1	90-120mm	110-160mm	150-230mm	220-280mm	250-320mm	300-390mm
W2	90-120mm	110-160mm	150-230mm	220-280mm	250-320mm	300-390mm
φD	25-30mm	35-40mm	45mm	50-55mm	60-70mm	80-85mm

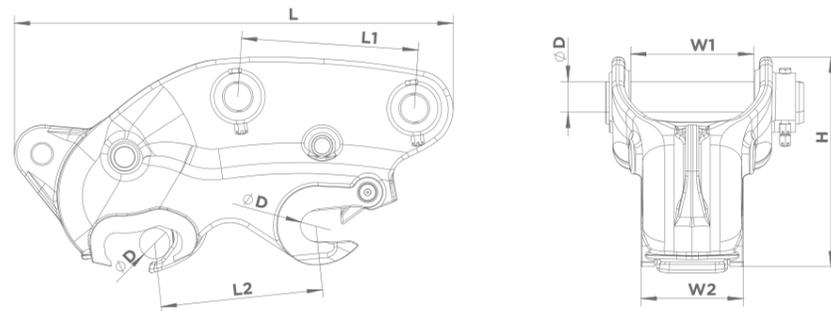
SPECIFICATION	FQCT-S40	FQCT-S45	FQCT-S60	FQCT-S70
Length	467mm	605mm	816mm	850mm
Height	438mm	590mm	668mm	810mm
L1	170-300mm	290-360mm	350-420mm	400-510mm
W1	110-230mm	220-280mm	250-320mm	300-390mm
H1	313mm	443mm	488mm	590mm
φd	30-40mm	45-50mm	60-70mm	80-85mm
L2	300mm	429.7mm	479.7mm	599.7mm
W2	116mm	196mm	218mm	290mm
W3	198mm	290mm	340mm	450mm
φd1	40mm	45mm	60mm	70mm

## ADVANTAGES & FEATURES

Suitable for operations in confined spaces; allows adjustment of the working angle through swinging; equipped with impact-resistant swing cylinders.

Built-in hydraulic lines for a neat, easy-to-connect piping layout; the coupler features a dual mechanical locking system to prevent attachment disengagement.

# CAST TYPE QUICK COUPLER



SPECIFICATION	FQC06ZD	FQC08ZD
Length	930mm	1052mm
L1	375mm	470mm
ΦD	65mm	80mm
L2	345-400mm	425-505mm
W1	216-260mm	302-327mm
W2	216-260mm	302-327mm
H	443mm	541mm

### ADVANTAGES & FEATURES

Mechanical anti-drop mechanism to minimize the risk of attachment disengagement.

Integral casting for a compact structure, clean appearance, and excellent impact resistance.

Load-bearing lower plate for superior strength, durability, and shock resistance (compared to conventional couplers where the cylinder bears most of the load).

Extended movable jaw for better wrapping and securing of the attachment pin.

# CLAMSHELL BUCKET

### ADVANTAGES

Utilizes a linkage mechanism to achieve synchronized operation. Motor-driven slewing mechanism combined with cross swing for multi-angle and multi-directional work.

### APPLICATIONS

Suitable for deep foundation pit excavation in civil engineering and roadbed construction. Excavation inside pits, and loading of mud, sand, coal, and gravel into trucks.

R:Rotatable version.



SPECIFICATION	FCB08-V2	FCB08R-V2
Max. Opening	2150mm	2150mm
Weight	1760kg	2110kg
Capacity	2m <sup>3</sup>	2m <sup>3</sup>
Maximum Operating Pressure	200-250kg/cm <sup>2</sup>	200-250kg/cm <sup>2</sup>
Grasping Flow Rate	100-140L/min	100-140L/min
Maximum Rotating Pressure	120-160kg/cm <sup>2</sup>	120-160kg/cm <sup>2</sup>
Rotating Operating Flow	30-50L/min	30-50L/min
Suitable Excavator	17-24t	17-24t

# TILT BUCKET

### ADVANTAGES

Features a single-cylinder dual-balance control structure, enabling dynamic bucket tilt adjustment within a 45° range, overcoming the single-degree-of-freedom limitation of conventional buckets.

Allows real-time adaptation to complex terrains such as slopes and trenches without repositioning the excavator, reducing the frequency of manual adjustments.



SPECIFICATION	FTB01	FTB02
Width	1000mm	1500mm
Weight	135kg	220kg
Capacity	0.11m <sup>3</sup>	0.255m <sup>3</sup>
Maximum Operating Pressure	230kg/cm <sup>2</sup>	230kg/cm <sup>2</sup>
Grapple Operating Pressure	13-18L/min	15-20L/min
Suitable Excavator	2-4t	5-6t

# CRUSHING BUCKET

It can efficiently crush mining rocks, prefabricated slabs and concrete steel beams, and swiftly separate concrete and steel bar, saving time and labor. It realizes the on-site recycling and reuse of concrete waste.

■ **High Crushing Power & High Efficiency**

Equipped with high-torque hydraulic motors and high-efficiency transmission systems, large crushing force is achieved.

■ **Low Maintenance & High Quality**

Imported motors and bearings for premium durability, few maintenance, and more stable performance.



■ **Light weight & High Strength**

Main body is made of HARDOX steel plates, ensuring lower weight and superior wear resistance.

SPECIFICATION	WEIGHT	CAPACITY	FEEDING OPENING SIZE	WORKING PRESSURE	WORKING FLOW
<b>FBC30</b>	kg	m <sup>3</sup>	mm	bar	L/min
	3600	0.85	910*540	230	240

# SCREENING BUCKET

It is designed for screening sand, gravel, and soil materials (including dust), suitable for washing operations of mountain sand and river sand, gravel screening, as well as applications in sand fields, mixing stations, and construction sites with high mud content.

■ **Easy Replacement & High Wear Resistance**

The internal screen adopts a split design and can be replaced separately, and the screen with wear-resistant material ensures high efficiency and extended service life.

■ **Excellent Sealing & Dual-Purpose Design**

The bearing and motor adopt an integrated design with strong sealing performance, which can be used for dry screening and water washing.



■ **Multi-Size Screen Options for Wider Adaptability**

Multiple screen specifications (3mm-120mm) are available for different working conditions, enabling the function of one machine for multiple uses.

SPECIFICATION	WEIGHT	CAPACITY	FEEDING OPENING SIZE	WORKING PRESSURE	WORKING FLOW
<b>FBS30</b>	kg	m <sup>3</sup>	mm	bar	L/min
	2450	2.4	1570	220	120

# RIPPER



### Applicable Targets

- Suitable for loose operations on relatively hard soil layers, frozen soil layers, as well as soft rock and weathered rock, assisting the excavator bucket in excavation and loading.

### Product Advantages

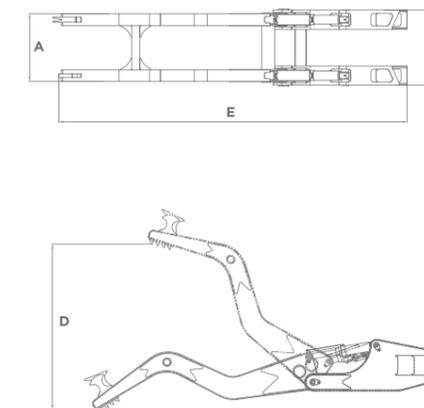
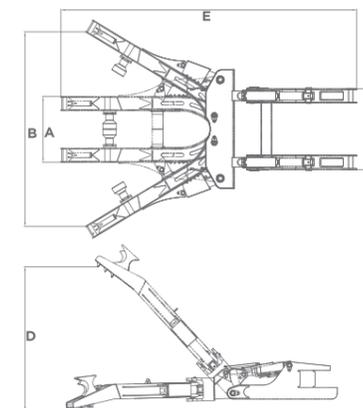
- Made from Q355B manganese steel plate, featuring high strength and excellent wear resistance.
- Optional 42CrMo alloy steel pins with high strength and good toughness.
- Superior welding and machining processes, including multi-layer overlay welding at critical connection points, ensuring strong and durable welds for enhanced durability of the quick coupler.

SPECIFICATION	FR02	FR04	FR06	FR08
Opening Width	110-160mm	150-230mm	220-300mm	300-360mm
Center Distance	170-245mm	240-300mm	300-420mm	400-510mm
Shaft Diameter	35-40mm	40-55mm	60-70mm	80-90mm
Height	640mm	930mm	1240mm	1360mm
Main Plate Thickness	50mm	50mm	60mm	80mm
Bucket Tooth Model	DH55	DH150	DH220	D85
Weight(excluding pins)	60kg	130kg	270kg	450kg
Suitable Excavator	2-4t	5-8t	9-16t	17-23t

SPECIFICATION	FR10	FR12	FR14
Opening Width	360-410mm	410-480mm	480-550mm
Center Distance	480-560mm	530-600mm	580-680mm
Shaft Diameter	90-100mm	100-110mm	110-120mm
Height	1500mm	1660mm	2000mm
Main Plate Thickness	80mm	90mm	100mm
Bucket Tooth Model	D85	4T5502	4T5502
Weight(excluding pins)	640kg	950kg	1900kg
Suitable Excavator	24-30t	31-35t	36-45t

# PRESSING FRAME

- Special steel plate welding technology greatly improves the overall welding quality.
- Significantly increases the dismantling speed and efficiency of scrap vehicles, saving labor and time costs.



TYPE	FCA20D
A	1216
B	3600
C	1500
D	2600
E	5500

TYPE	FCA20S
A	1150
B	/
C	1290
D	2840
E	6000

FCA20D			
Max Opening Width	3600mm	Oil flow range (Lifting)	30-50kg/cm <sup>2</sup>
Max Height	2600mm	Total weight	3200kg
Working pressure (Clamping)	150-250kg/cm <sup>2</sup>	Operation Mode	Bi-directional
Working pressure (Clamping)	80-120kg/cm <sup>2</sup>	Suitable Carrier	18-27t
Working pressure (Lifting)	200-300kg/cm <sup>2</sup>		

FCA20S			
Max Opening Width	/	Oil flow range (Lifting)	/
Max Height	2840mm	Total weight	2800kg
Working pressure (Clamping)	150-250kg/cm <sup>2</sup>	Operation Mode	Uni-directional
Working pressure (Clamping)	80-120kg/cm <sup>2</sup>	Suitable Carrier	18-27t
Working pressure (Lifting)	/		

### MECHANICAL CLAW



#### Product Advantages

Unique mechanical design details and special materials provide stable durability and high wear resistance. Large grabbing capacity, flexible operation, low investment, and short payback period. Maximizes protection of the excavator while preventing damage to the boom.

#### Application

Specifically designed for handling recycled materials.

### HYDRAULIC THUMB



#### Product Advantages

Controlled by hydraulic cylinder extension and retraction to open and close the thumb, working in coordination with the excavator bucket.

#### Application

Controlled by hydraulic cylinder extension and retraction to open and close the thumb, working in coordination with the excavator bucket.

### DIGGING BUCKET



#### Application

Heavy-duty working environments such as loading of hard rock and blasted ore.

### BUCKET



#### Application

Suitable for slope grading requiring large capacity, as well as dredging work in river channels and ditches, improving work efficiency.

