HAMMER

OUR PASSION ALWAYS AT YOUR SERVICE

CATALOG 2024

Demolition
Excavation
Material handling
Recycling

About Hammer

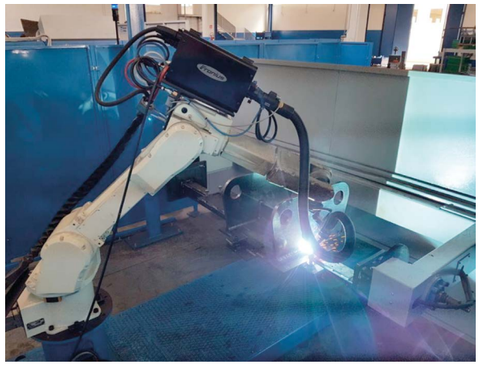
Our History

Skills and passion that give rise to history!

In 1970, Mr. Giovanni Modugno began his career as a worker in a small mechanic turnery workshop in Molfetta and, since that year, so much has been done.

After being a factory worker first, production and factory manager then, in 1989 he started, with other partners, a hydraulic breakers company, until 2004. In the same year, he decides to found, together with his son Valerio, a family company for design, production and sale of hydraulic breakers, which takes the name “Hammer“.

The values of a family company have allowed Hammer to establish itself on the global market through 10 branches spread across the continents and a capillary network of dealers and authorized workshops throughout the world.



100% Made in Italy

Hammer guarantees a 100% Made in Italy product of the highest quality, entirely designed and manufactured in the 10 plants (an area of 60000 m²) located in the Industrial Area of Molfetta (BA).
Hammer begins with the design, production and sale of small and medium-sized hydraulic breakers, in addition to the sale of multi-brand spare parts.

Then comes the introduction of the first samples of demolition shears, which paved the way in the field of demolition and recycling; later, Hammer decides to expand the range of hydraulic breakers, up to the FX 15000 model which, with a weight of 14500 kg, becomes the largest hydraulic breaker in the world.

After the huge success achieved in this segment, Hammer introduces the SB series that benefits from the particular monoblock construction. This feature gives the structure a very high resistance to leverage efforts. The breakes, as “monobloc” suggests, has only one piece and there are no side bolts and diaphragms.

It is the turn, then, of the grapple line, with the GR series with 3 different types of jaws, depending on the needs.

The demolition segment is then widened with the FP series (static hydraulic crusher for secondary demolition), the FR series (rotary hydraulic crusher for primary and secondary demolition) and finally the brand new FRK and FPK series.

Research and development

Our work is based on research and continuous innovation. In our 10 factories in Molfetta there are:

- an equipped workshop with 70 high-productivity CNC machines;

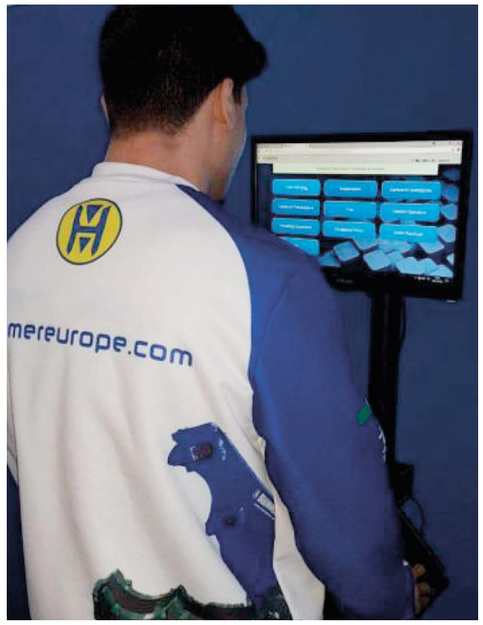
- the grinding and testing department, where we make sure that the various components of our products are flawless;

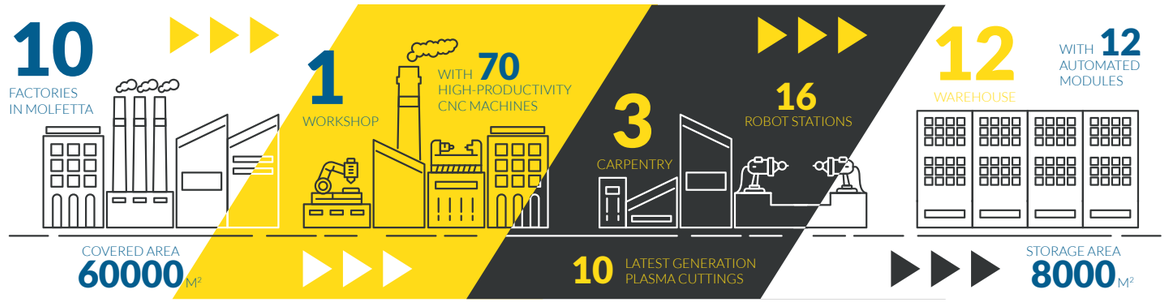
- the carpentry department, equipped with 10 latest generation plasma cuttings, 5 robot welding stations and 2 robot stations for assembly;

-the assembly department, in which our qualified and constantly trained staff assembles the whole Hammer line;

- a large spare parts warehouse that, thanks to the 12 vertical automated modules, allows us to speed up and optimize the assembly of our range and to increase the storage area of 8000 m2.

We always look for new solutions and innovations on existing products to offer our customers always the best in the market.





Product overview

Hammer offers the right equipment for every need

SB

HYDRAULIC BREAKERS

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FX

HYDRAULIC BREAKERS

Pages 16-19

FRK

DEMOLITION ROTATING PULVERIZERS

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FPK

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CONCRETE CRUSHERS

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SCRAP SHEARS

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VEHICLE DISMANTLER

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GR

SELECTOR GRABS

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Strength and efficiency

The hydraulic breaker is mainly used in earth-moving and mining industries, where components are subjected to high levels of stress, working mostly in difficult situations.

To make hydraulic breakers increasingly reliable and to guarantee both performance and power, Hammer has introduced the SB and FX lines, obtained thanks to in-depth R&D carried out throughout the years.

For the production of this equipment, top-quality alloy steels are used and the best heat treatment techniques developed.

The research and studies carried out have allowed us to obtain important results in terms of the technological and mechanical characteristics of the steels.
At the same time, studies were carried out in collaboration with the main producers of hydraulic seals (Trelleborg, Freudenberg, Nok).

Over the years we have therefore improved both quality and type of the materials used to reach the appropriate ratio between different speeds, pressures and temperatures, thus increasing durability.

SB
132-1543 LB

FX
1543 - 31967 LB

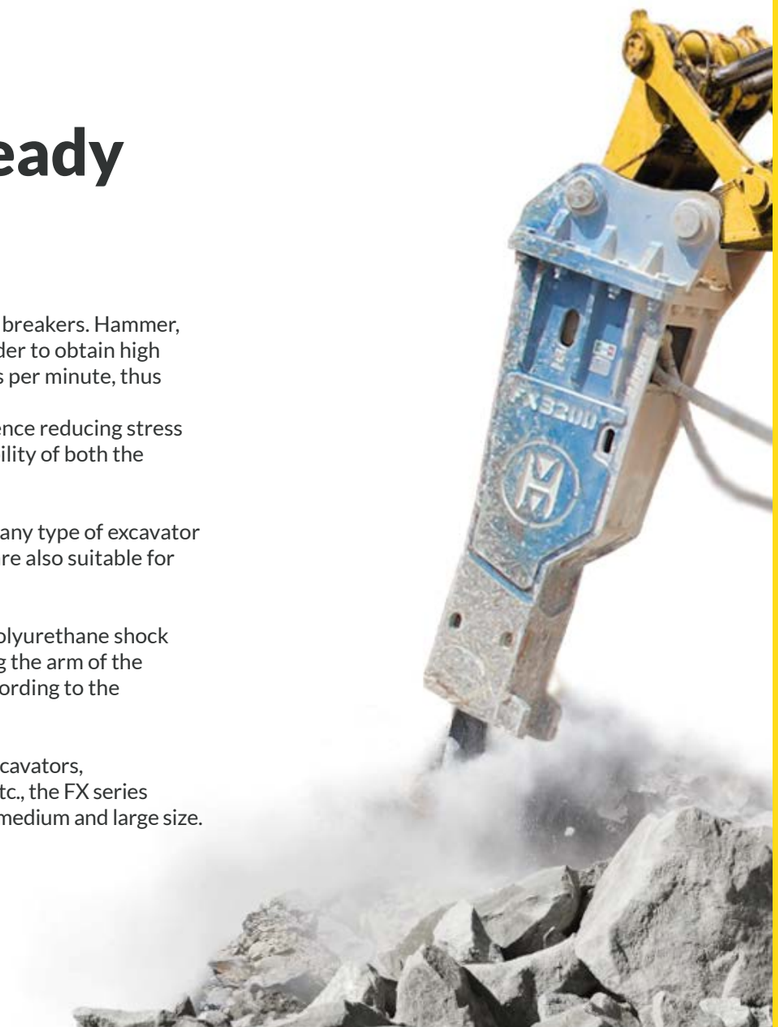
We’re always ready for challenges

Breakers of both SB and FX series are “nitrogen” breakers. Hammer, thanks to its experience, followed this path in order to obtain high power distributed over a higher number of blows per minute, thus resisting high counterpressures (up to 435 psi).
The breaker is also very compactly structured hence reducing stress on the excavator’s arm and ensure greater durability of both the breaker and its components.

• The SB and FX hydraulic breakers can work on any type of excavator and on any single-acting hydraulic system; they are also suitable for hydraulic systems with high back pressure

• Hammer Breakers are equipped with special polyurethane shock absorbers that absorb vibrations, thus protecting the arm of the excavator and also reducing noise emissions, according to the requirements of directive 2000/14 / EC

While the SB series is suitable for carriers, mini excavators, miniblades, backhoe loaders, demolition robots. etc., the FX series is suitable for crawler and wheeled excavators of medium and large size.



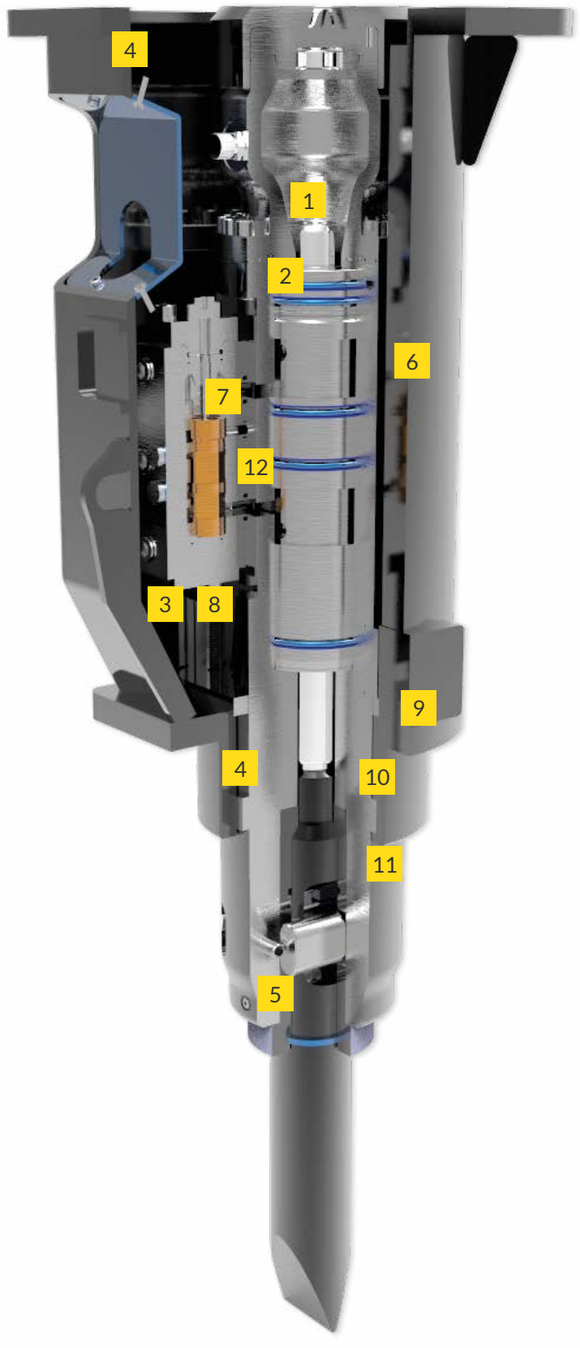
Application overview

			SB	FX 700-1900	FX 2200-12000
Mining & Quarrying	Preliminary works	Overburden removal	✪	✪	★
		Bench, road & ramp leveling			
		Roof, face & rib scaling			
	Secondary breaking	Boulder reduction in rock pile	★	✪	✪
		Removing blockages at crushing systems			
	Primary rock breaking	Selective rock breaking	☆	★	✪
		Blast-free mining			
Demolition & Renovation	Masonry structures	Brickwork	✪	★	☆
		Natural stone			
		Autoclaved aerated concrete			
	Concrete structures	Lightweight concrete	✪	✪	★
		Standard concrete			
		Heavyweight concrete	☆	★	✪
	Composite steel & concrete structures	Steel-reinforced concrete	★	✪	✪
		Prestressed concrete			
		Fiber-reinforced concrete			
	Pavements	Asphalt	✪	✪	✪
		Concrete			
		Composite surfaces			
Construction	Earthworks	Trenching	★	✪	✪
		Pit building			
		Ground excavation			
	Tunneling	Tunnel driving	★	✪	✪
		Roof, face & rib scaling			
		Floor leveling			
	Dredging	Canal deepening & extension	★	★	✪
		Dock deepening & extension			
	Gardening & Landscaping	Fencing	✪	★	☆
		Ground excavation			
		Rock breaking			
	Foundation works	Ground leveling	☆	★	✪
	Building construction	Foundation pile driving	☆	★	✪
Metallurgical Industry	Slag recycling	Boulder reduction in slag heap	★	✪	✪
		Removing blockages at crushing systems			
	Cleaning & debricking	Ladles	✪	★	☆
		Converter mouths			
		Kilns			

✪ Optimal ★ Suitable ☆ Unsuitable

BREAK IN A SMART WAY

Monobloc hydraulic breaker without tie rods and diaphragm



1 More power, less vibration and maintenance.
The SB breakers work with inertial nitrogen energy recovery, thus obtaining more power (more than 30%) and less vibration thanks to the nitrogen chamber that reduces maintenance costs, since it has no diaphragm.

2 Long lasting nitrogen charge.
In the past, energy recovery breakers required frequent nitrogen refills; with the new sealing system and the new compound developed by Freudenberg they are able to guarantee a gas tightness equal to 300% more than in the past.

3 Protected tubes.
The tubes are completely protected through the casing and they're suitable for every type of excavation, especially in narrow spaces.

4 The particular design, with a closed box casing as well as the addition of sound-absorbing material, allowed the breaker to
have very low noise levels

5 Double retainer pin.
The tool-locking system with a double retainer pin allows adequate and uniform wear of the same and ensures longer maintenance intervals for the whole locking system.

6 Monobloc body without tie rods.
The entire SB series benefits from the particular monoblock construction; this feature gives the structure a very high resistance to leverage, during work. The breaker is built in one only piece and it is without tie rods, thus obtaining greater production and less maintenance as a result.

7 Only two moving parts.

8 For all types of installations (pressurization).
The SB series tolerates high back pressure, and it has a wide calibration range of the required oil flow, in order to make the installation easier.

9 The piston moves in a single interchangeable cylinder liner that keeps the main body intact and that is easy to replace in case of necessity.

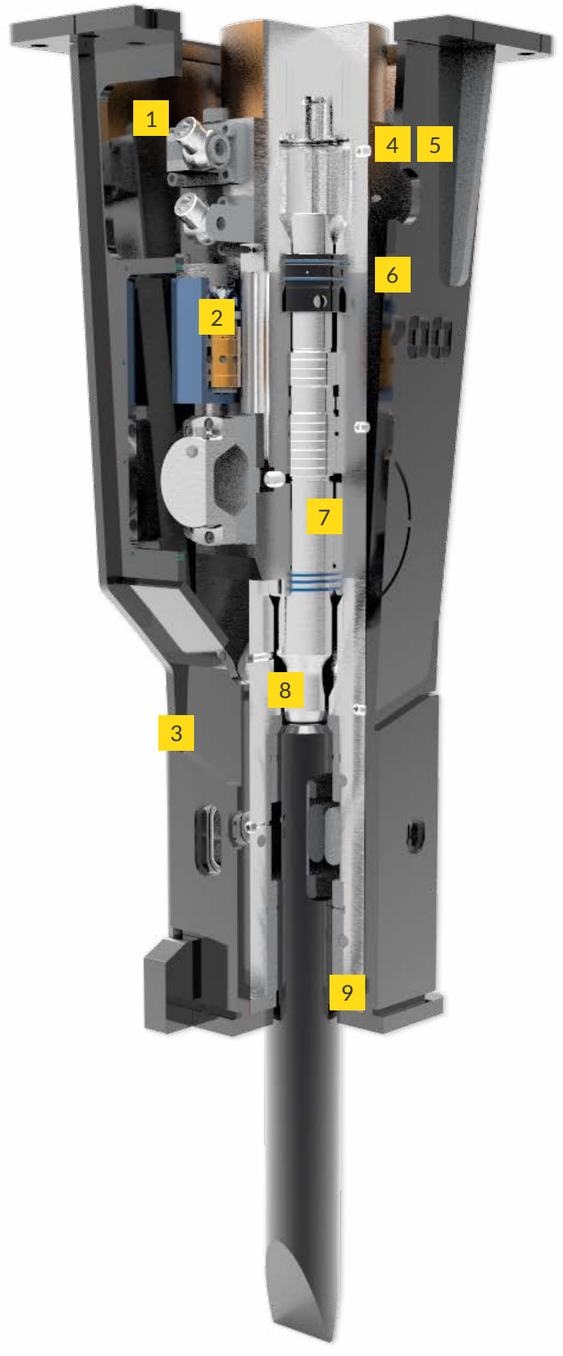
10 The piston is built with a special geometry as to keep a constant energy of impact, and to reduce damage in any critical condition.

11 Visibility and versatility.
The models of the SB series, with their tapered shape, provide the operator with an excellent view during the work and allow to operate close to the walls, both in narrow and wide spaces.

12 Hydraulic system for blank firings.
The hydraulic system creates a regenerative oil circuit that preserves the breaker from blank firings when the tool is not in contact with the rock.

EFFICIENCY BECOMES POWER

Hammer Hydraulic Breakers



1 Tubes with swivels.
Tubes with swivels are fully protected from any misuse and, resistant to vibrations.

2 Operating pressure regulation.
For the FX series (FX950-12000), it is possible to adjust the working pressure with a manual valve located frontally on the distribution box.

3 Anti-dust and underwater work setup
You can prevent the entry of dust and water into the breaker by blowing air into the proper hole in the front part of the breaker, with a pressure of not less less than 10 bar.

4 Automatic hydraulic greasing device (optional, mounted on the breaker).
The Beka-Lube automatic lubrication system optimizes the lubrication procedure and reduces maintenance and downtimes

5 Automatic hydraulic greasing device with exclusive Hammer electric control (optional, mounted on the excavator). Innovative electric system with automatic grease distribution, less liable to vibration breakages thanks to its tank of grease with a capacity of 8.8 lb or 17.6 lb, making thus the system cheaper than all the other devices with single cartridges.

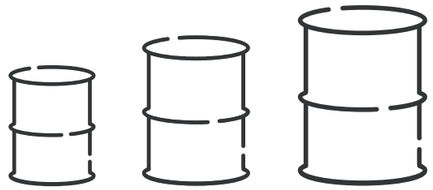
6 Manual blows adjustment.
For the FX series (FX950-FX12000), the regulation of the blows is carried out manually by a valve located on the side of the breaker.

7 Hydraulic system for blank firings.
The hydraulic system creates a regenerative oil circuit that preserves the breaker from blank firings when the tool is not in contact with the rock.

8 The piston is built with a special geometry as to keep a constant energy of impact, and to reduce damage in any critical condition.

9 Anti-dust system for tunnels (optional).
The anti-dust system consists of a dustproof seal addition mounted in the lower bush to avoid the entry of impurities into the circuit. FX series breakers are suitable for secondary demolition work, excavations in quarry, work in urban areas, tunnels, pipelines, and railway tunnels and,
concerning the biggest models, demolitions in open pit mining.

Hammer Lube



HAMMER LUBE is the result of intense cooperation between the Engineering Departments of Hammer and Meyerlub, both specialists in advanced technology. Hammer Grease is totally different from any other breaker's grease or oil.

- It is based on special synthetic components, with a strong affinity to metal surfaces due to their "polar" nature. This offers superior lubricating film strength, even in the most adverse operating conditions.

- Its physical characteristics perfectly match the Hammer lubricant supply systems (on-board Greasing Stations and Easy-Lub equipment)

HAMMER GREASE KEEPS ITS PROMISES!

- Total protection from friction, wear and scuffing, thanks to the exceptional film strength and metal affinity

- Complete and uniform distribution of lubricant on the whole surface, for a complete protection from wear and seizing

- Cost saving: highly efficient lubrication ensures complete protection, reducing drastically maintenance, spares and downtime costs. The exclusive and "state of the art" performance of Hammer Grease optimizes lubrication efficiency and signicantly reduces lubricant's over-consumption and relevant costs.

CONSIDER THE DIFFERENCE

Hammer breakers, rolling bearings and machinery pins have very different engineering features; therefore lubrication requirements change accordingly. Hammer lube is a tailor-made product, thought intentionally for hydraulic breakers.

WHY IS CORRECT LUBRICATION SO IMPORTANT?

Hammer breakers operate at high frequencies under heavy loads, involving high thermal and mechanical stress. Inadequate lubricants generate excessive wear and deposits.

BREAKER LIFE SPAN, EFFICIENCY, AND RELIABILITY MAY BE SERIOUSLY AFFECTED.

Proper breaker lubrication is the combination of:

- Appropriate lubricating system design.
- Appropriate lubricant structure and composition.
- Perfect tuning between lubricant and application system.

Not-specific grease

Hammer Lube

Product Series

Discover all our series

HYDRAULIC BREAKERS WITHOUT TIE RODS

for excavators from **1100** to **30800 lb**

Find out more

Break in a smart way

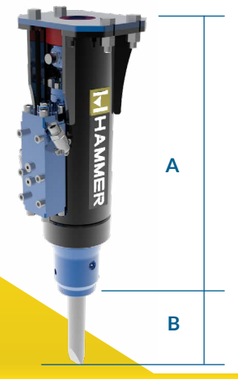
- More power / less vibrations and maintenance
- Long lasting nitrogen charge
- Protected tubes
- Silenced body
- Monobloc body without tie rods
- Double retainer pin
- Only two moving parts
- For all types of installations
- Visibility and versatility

MOIL POINT
Suitable for concrete, medium-hard and not layered rocks.

BLUNT TOOL
Suitable for reinforced concrete and very compact rocks.

ASPHALT CUTTER
Suitable for cutting asphalt.

SB55



PYRAMID TOOL
Suitable for reinforced concrete and very compact rocks.

CHISEL TOOL
Suitable for medium-hard and layered rocks.

PILE DRIVER
Suitable for planting wooden or concrete poles.

WOOD CUTTER TOOL
Suitable for cutting all types of wood.

SB SERIES

Application Fields

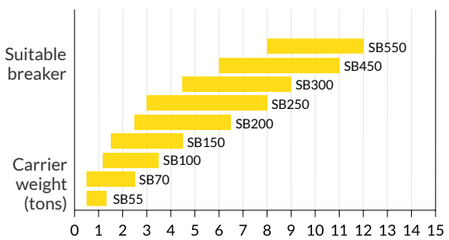
Mining & Quarrying
Demolition & Renovation
Construction
Metallurgical Industry
Recycling

TECHNICAL DRAWINGS

Models		SB55	SB70	SB100	SB150	SB200	SB250
Carrier weight	*lb*	1100-3000	1100-3500	2600-5500	3300-8300	5500-11000	6600-14300
Weight	*lb*	132	154	220	297	418	529
Body height (a)	*inch*	22,95	22,95	26,22	26,22	34,21	34,21
Tool height (b)	*inch*	7,87	8,97	10,03	10,03	10,82	11,81
Tool diameter	*inch*	1,57	1,57	1,77	1,88	2,16	2,55
Required oil supply	*gpm*	3.9-5.2	4.7-6	5.2-7.9	5.8-10.5	6.6-14.5	7.9-15.8
Oil hammer pressure	*psi*	1595	1595	1595	1595	1885	2030
Blows per minute	*/min*	800-1700	800-1750	800-2300	800-2000	900-1900	850-1800
Energy per blow	*j*	250	280	400	580	750	950
Max. Back pressure	*psi*	435	435	435	435	435	435
Inner diam. in hose	*inch*	1/2”	1/2"	1/2”	1/2”	1/2"	1/2"
Inner diam. out hose	*inch*	1/2”	1/2"	1/2”	1/2”	1/2"	1/2"

Models		SB300	SB450 NEW	SB550 NEW
Carrier weight	*lb*	9900-18700	13200-22000	17600-27500
Weight	*lb*	661	1036	1146
Body height (a)	*inch*	35,59	44,68	44,68
Tool height (b)	*inch*	11,61	14,88	16,96
Tool diameter	*inch*	2,95	3,14	3,54
Required oil supply	*gpm*	13.2-18.4	15.1-21.1	17.1-22.4
Oil hammer pressure	*psi*	2320	2320	2320
Blows per minute	*/min*	600-1500	600-1300	600-1300
Energy per blow	*j*	1200	1700	2300
Max. Back pressure	*psi*	435	435	435
Inner diam. in hose	*inch*	3/4”	3/4”	3/4”
Inner diam. out hose	*inch*	3/4”	3/4”	3/4”

EXCAVATOR OPTIMAL RANGE



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HAMMER HYDRAULIC BREAKERS

for excavators from **17600** to **374700 lb**

Efficiency becomes power

- Tubes with swivels fully protected
- Operating pressure adjustment
- Anti-dust and underwater work setup
- Automatic hydraulic greasing device
- Hydraulic system for blank firings
- Manual blow adjustment
- Anti-dust system for tunnels

Find out more

MOIL POINT

Suitable for concrete, medium-hard and not layered rocks.

BLUNT TOOL

Suitable for reinforced concrete and very compact rocks.

PYRAMID TOOL

Suitable for reinforced concrete and very compact rocks.

COBRA TOOL

Suitable for quarry works, such as primary demolition and reduction of stone blocks.

CHISEL TOOL

Suitable for medium-hard and layered rocks.

AUTOMATIC HYDRAULIC GREASING DEVICE

(Optional, mounted on the breaker)
The Beka-Lube automatic lubrication system optimizes the lubrication procedure and reduces maintenance and downtimes.

FX SERIES

Application Fields

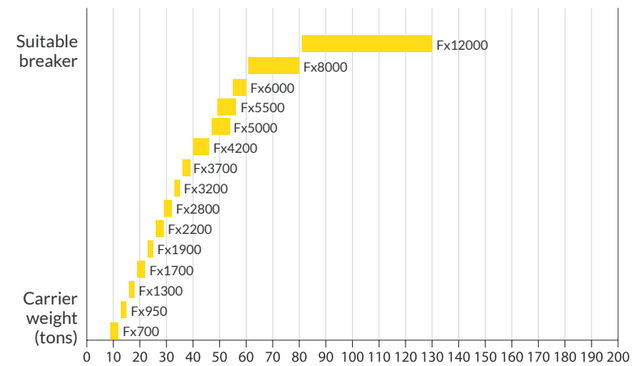
Mining & Quarrying
Demolition & Renovation
Construction
Metallurgical Industry
Recycling

TECHNICAL DRAWING

Models		FX700	FX950	FX1300	FX1700	FX1900	FX2200
Carrier weight	*lb*	17600-30800	22000-37400	28600-41800	39600-52900	48500-59500	50700-68300
Weight	*lb*	1543	2094	2645	3637	4078	4850
Body height (a)	*inch*	51,57	54,72	57,87	65,74	70,47	72,44
Tool height (b)	*inch*	16,92	21,65	22,04	24,40	28,54	28,34
Tool diameter	*inch*	3,74	4,52	4,72	5,31	5,51	5,90
Required oil supply	*gpm*	18.4-26.4	23.7-31.7	29-36.9	34.3-42.2	36.9-47.5	43.5-50.1
Oil hammer pressure	*psi*	2320	2393	2465	2610	2610	2610
Blows per minute	*/min*	600-900	600-900	400-900	400-800	400-800	400-800
Energy per blow	*j*	2000	2600	3200	4200	4700	5400
Max. Back pressure	*psi*	362	362	362	362	362	362
Inner diam. in hose	*inch*	3/4"	1"	1"	1"	1"	1"
Inner diam. out hose	*inch*	3/4"	1"	1"	1"	1"	1" 1/4

Models		FX2800
Carrier weight	*lb*	61700-83700
Weight	*lb*	6393
Body height (a)	*inch*	79,92
Tool height (b)	*inch*	27,95
Tool diameter	*inch*	6,29
Required oil supply	*gpm*	47.5-63.4
Oil hammer pressure	*psi*	2610
Blows per minute	*/min*	350-700
Energy per blow	*j*	8500
Max. Back pressure	*psi*	362
Inner diam. in hose	*inch*	1" 1/4
Inner diam. out hose	*inch*	1" 1/4

EXCAVATOR OPTIMAL RANGE



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HAMMER HYDRAULIC BREAKERS

for excavators from **17600** to **374700 lb**

Efficiency becomes power

- Tubes with swivels fully protected
- Operating pressure adjustment
- Anti-dust and underwater work setup
- Automatic hydraulic greasing device
- Hydraulic system for blank firings
- Manual blow adjustment
- Anti-dust system for tunnels

FX SERIES

Application Fields

Mining & Quarrying · Demolition & Renovation · Construction · Metallurgical Industry · Recycling

TECHNICAL DRAWING

Models		FX3200	FX3700	FX4200	FX5000	FX5500	FX6000
Carrier weight	*lb*	66100-88100	77100-110200	79300-121200	88100-121200	88100-143300	99200-165300
Weight	*lb*	7054	8157	9700	10582	11464	12786
Body height (a)	*inch*	79,92	88,58	88,58	90,55	118,11	125,98
Tool height (b)	*inch*	27,95	31,10	31,10	31,10	27,55	27,55
Tool diameter	*inch*	6,29	7,08	7,08	7,08	7,67	7,67
Required oil supply	*gpm*	52.8-68.6	66-79.2	71.3-84.5	71.3-84.5	76.6-92.4	79.2-100.3
Oil hammer pressure	*psi*	2610	2610	2755	2755	2755	2755
Blows per minute	*/min*	300-650	300-650	300-650	350-700	250-550	250-550
Energy per blow	*j*	9000	9500	12500	13500	16500	18500
Max. Back pressure	*psi*	362	362	362	362	435	435
Inner diam. in hose	*inch*	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4
Inner diam. out hose	*inch*	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4

Models		FX8000	FX12000
Carrier weight	*lb*	132200-242500	176300-374700
Weight	*lb*	17196	26455
Body height (a)	*inch*	145,66	174,80
Tool height (b)	*inch*	31,49	29,92
Tool diameter	*inch*	8,46	10,03
Required oil supply	*gpm*	100.3-116.2	126.8-150.5
Oil hammer pressure	*psi*	2755	2755
Blows per minute	*/min*	200-400	150-300
Energy per blow	*j*	23000	28000
Max. Back pressure	*psi*	435	435
Inner diam. in hose	*inch*	1" 1/4	1" 1/2
Inner diam. out hose	*inch*	1" 1/4	1" 1/2

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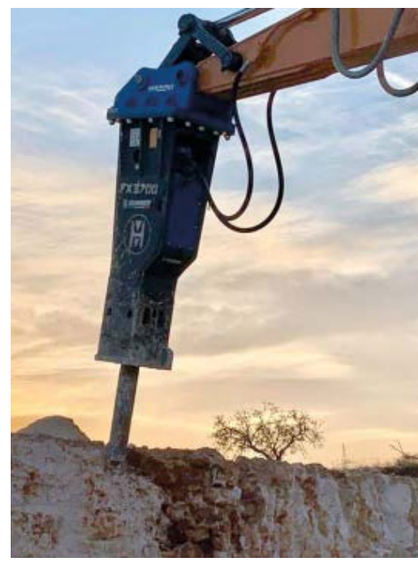


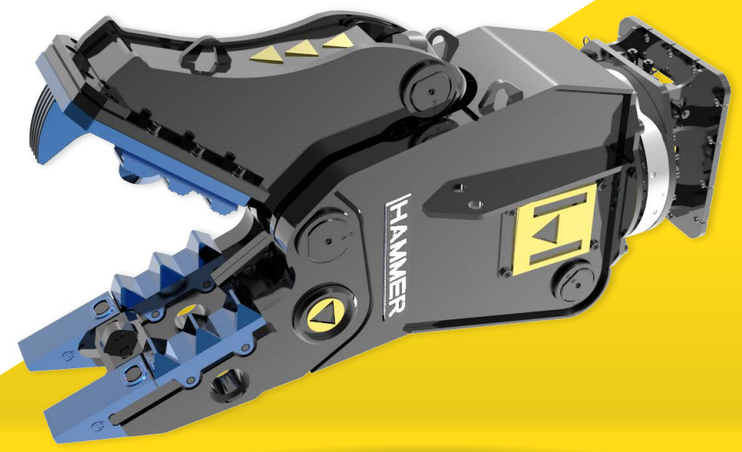
DEMOLITION ROTATING PULVERIZERS

for excavators from **6600** to **198400 lb**

Find out more

Designed to last!

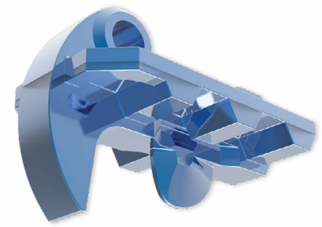
- Double motors for an excellent rotation and high power
- Integrated “relief” valve to avoid pressure peaks on the rotating motor
- Double-turn ball bearing (from model FRK17 up)
- Designed and built to achieve high crushing force

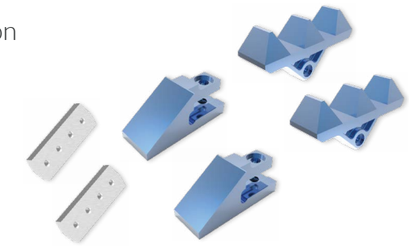


THE ROTARY PULVERIZERS OF THE NEW FRK SERIES HAVE BEEN DEVELOPED FOR PRIMARY AND SECONDARY DEMOLITION.

ALL THE PARTS THAT MOSTLY UNDERGO WEARING ARE EASILY REPLACEABLE

- Excellent speed/power to weight ratio
- Cylinder fully protected from possible debris during demolition
- Plates designed to achieve an excellent crushing force





PRESSURE UP TO 5076 PSI

SPEED VALVE (optional from model FRK17 up)

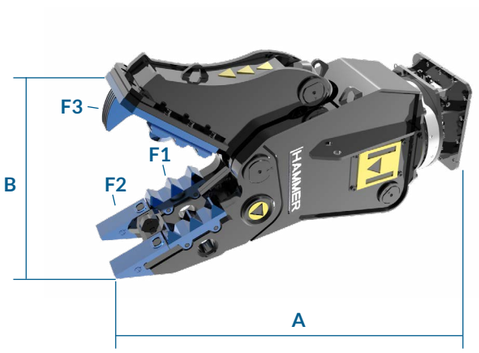
OPTIONAL

FRK SERIES

Application Fields

- Mining & Quarrying
- Demolition & Renovation
- Construction
- Metallurgical Industry
- Recycling

TECHNICAL DRAWING



Models		FRK03	FRK06	FRK10
Carrier weight	*lb*	6600-17600	13200-28600	19800-37400
Weight	*lb*	727	1256	2204
Excavator oil flow capacity	*gpm*	7.9-18.4	15.8-26.4	18.4-29
Excavator working pressure	*psi*	4061	4641	4641
360° Rotation	°	360°	360°	360°
Rotation oil flow capacity	*gpm*	2.6-6.6	5.2-10.5	5.2-10.5
Rotation Pressure	*psi*	1450	1450	1450
A	*inch*	50,39	57,08	63,77
B	*inch*	16,33	20,47	23,81
Steel blade length	*inch*	4,72	5,90	5,90
F1	*lb*	242500	286600	330600
F2	*lb*	132200	143300	154300
F3	*lb*	77100	88100	99200
Ø Max	*inch*	1.10	1.18	1.18

Models		FRK13	FRK17	FRK21	FRK26	FRK32	FRK42	FRK60	FRK80
Carrier weight	*lb*	26400-44000	30800-50700	35200-59500	44000-70500	57300-88100	70500-121200	110200-154300	143300-198400
Weight	*lb*	3086	3637	4409	5291	7275	9259	10582	14660
Excavator oil flow capacity	*gpm*	29-42.2	36.9-52.8	47.5-60.7	52.8-79.2	79.2-92.4	92.4-105.6	105.6-132	118.8-158.5
Excavator working pressure	*psi*	5076	5076	5076	5076	5076	5076	5076	5076
360° Rotation	°	360°	360°	360°	360°	360°	360°	360°	360°
Rotation oil flow capacity	*gpm*	7.9-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	13.2-18.4
Rotation Pressure	*psi*	2030	2030	2030	2030	2030	2030	2030	2030
A	*inch*	74,80	78,74	82,67	90,55	98,42	106,29	116,73	129,92
B	*inch*	25,78	28,34	30,70	34,64	39,37	43,30	49,21	55,11
Steel blade length	*inch*	6,29	7,87	7,87	7,87	7,87	9,84	9,84	9,84
F1	*lb*	418800	429900	485000	551100	815700	1113300	1344800	1620300
F2	*lb*	264500	264500	264500	308600	496000	628300	760500	914900
F3	*lb*	116800	138800	154300	176300	220400	253500	308600	374700
Ø Max	*inch*	1.57	1.57	1.96	2.16	2.36	2.55	2.75	3.14

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STATIC PULVERIZERS

for excavators from **33000** to **132200 lb**

Find out more

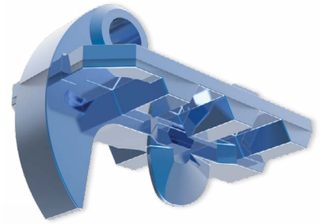
NEW PRODUCT

First quality secondary demolition

- Designed and built to achieve high crushing force

DESIGNED FOR SECONDARY DEMOLITION, HAMMER STATIC PULVERIZERS CAN BOTH BREAK UP REINFORCED CONCRETE STRUCTURES AND SEPARATE THE STEEL.

ALL THE PARTS THAT MOSTLY UNDERGO WEARING ARE EASILY REPLACEABLE



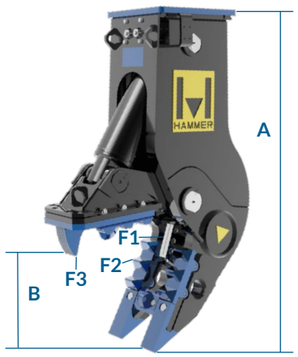
SPEED VALVE

FPK SERIES

Application Fields

Mining & Quarrying · Demolition & Renovation · Construction · Metallurgical Industry · Recycling

TECHNICAL DRAWING



Models		FPK16	FPK21	FPK32	FPK42
Carrier weight	*lb*	33000-55100	44000-77100	59500-99200	77100-132200
Weight	*lb*	3527	4409	6613	8818
Excavator oil flow capacity	*gpm*	36.9-52.8	52.8-66	58.1-73.9	68.6-89.8
Excavator working pressure	*psi*	5076	5076	5076	5076
A	*inch*	82,28	87,79	96,45	108,26
B	*inch*	29,33	33,07	38,58	47,24
Steel blade length	*inch*	7,87	7,87	11,81	11,81
F1	*lb*	529100	628300	782600	914900
F2	*lb*	220400	275500	341700	440900
F3	*lb*	154300	176300	209400	242500
Ø Max	*inch*	1.37	1.77	2.16	2.75

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2-CYLINDER CONCRETE CRUSHERS

for excavators from **2200** to **176300 lb**

Find out more

Not even the hardest job can withstand the MCK!

- Double motors for an excellent rotation and high power (MCK20 up).
- Double-turn ball bearing (MCK20 up).
- Jaws highly resistant.
- High cutting power.
- Cylinders fully protected from possible debris during demolition.

"A" JAW

MCK01

"F" JAW - CRUSHER

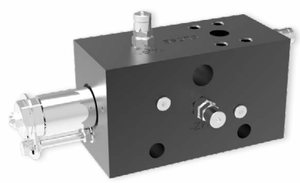
MCK SERIES

Application Fields

Mining & Quarrying · Demolition & Renovation · Construction · Metallurgical Industry · Recycling

Models		NEW MCK01	MCK03-A	MCK06-A	MCK03-F	MCK06-F	MCK10-F
Carrier weight	*lb*	2200-8800	6600-19800	15400-33000	6600-19800	15400-33000	22000-37400
Weight	*lb*	385	661	1433	661	1433	2645
Closing force	*lb***	83700	110200	132200	110200	132200	154300
Jaw opening	*inch*	15,35	15,74	26,77	15,74	26,77	30,70
Jaw depth	*inch*	15,74	16,92	23,62	16,92	23,62	27,16
Width upper jaw	*inch*	1,96	1,57	1,77	1,57	1,77	1,96
Height	*inch*	35,43	45,27	59,05	45,27	59,05	70,86
Length of cutting blades	*inch*	3,93	3,93	7,87	3,93	7,87	7,87
Opening/Closing Pmax	*psi**	3190	3770	4641	3770	4641	4641
Flow	*gpm*	5.2-13.2	7.9-13.2	18.4-31.7	7.9-13.2	18.4-31.7	23.7-39.6
Rotation Pmax	*psi*	1740	1450	1450	1450	1450	2030
Flow	*gpm*	2.6-6.6	2.6-7.9	2.6-7.9	2.6-7.9	2.6-7.9	10.5-15.8
Back pressure max.	*psi*	-	-	-	-	-	-
Cycle time Opening/Closing	*sec*	1.8/2.5	1.8/2.5	2.2/3.0	1.8/2.5	2.2/3.0	2.4/3.1

SPEED VALVE
(from model MCK20 up)



OPTIONAL

"A" JAW

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2-CYLINDER CONCRETE CRUSHERS

for excavators from **2200** to **176300 lb**

Find out more

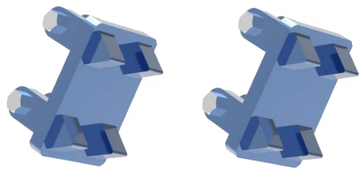
Not even the hardest job can withstand the MCK!

- Double motors for an excellent rotation and high power (MCK20 up).
- Double-turn ball bearing (MCK20 up).
- Jaws highly resistant.
- High cutting power.
- Cylinders fully protected from possible debris during demolition.

“A” JAW

USED FOR CUTTING AND CRUSHING CONCRETE WITH STEEL REINFORCEMENT AND FOR CUTTING STEEL STRUCTURES, THE HAMMER CONCRETE CRUSHER HAS BEEN DEVELOPED FOR PRIMARY AND SECONDARY DEMOLITION.

“L” JAW-WOOD CUTTER



MCK “F” Crushing kit

- Hydraulic system fully protected by the frame
- Perfect jaws geometry ensures that blades remain sharp longer
- Wearing jaws and blades easily replaceable on site
- Customized jaws are available for every customer need *optional

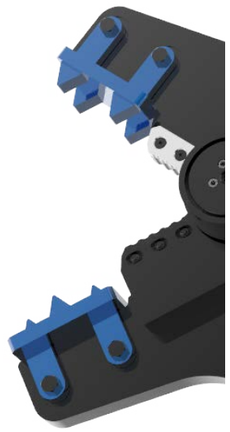
MCK SERIES

Application Fields

Mining & Quarrying | Demolition & Renovation | Construction | Metallurgical Industry | Recycling

Models		MCK10-A	MCK15-A	NEW MCK15-L	NEW MCK15-F	MCK20-A	MCK25-A	MCK35-A
Carrier weight	*lb*	22000-37400	30800-44000	30800-44000	30800-44000	39600-55100	44000-77100	55100-99200
Weight	*lb*	2645	3086	3086	3086	4409	5346	7165
Closing force	*lb***	154300	171900	171900	171900	185100	211600	238000
Jaw opening	*inch*	30,70	32,48	33,62	32,48	39,37	45,27	53,54
Jaw depth	*inch*	27,16	30,70	30,70	30,70	34,05	36,81	52,55
Width upper jaw	*inch*	1,96	2,16	2,16	2,16	2,36	2,75	3,14
Height	*inch*	70,86	77,95	77,95	77,95	86,41	94,09	100,19
Length of cutting blades	*inch*	7,87	7,87	7,87	7,87	7,87	9,84	11,81
Opening/Closing Pmax	*psi**	4641	4641	4641	4641	4641	4641	4641
Flow	*gpm*	23.7-39.6	29-44.9	29-44.9	29-44.9	39.6-66	52.8-79.2	66-92.4
Rotation Pmax	*psi*	2030	2030	2030	2030	2030	2030	2030
Flow	*gpm*	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8
Back pressure max.	*psi*	-	-	-	-	-	-	-
Cycle time Opening/Closing	*sec*	2.4/3.1	2.3/3.0	2.3/3.0	2.3/3.0	2.3/3.0	2.5/3.4	3.3/3.6

Models		MCK45-A	MCK60-A	MCK75-A
Carrier weight	*lb*	77100-121200	110200-154300	132200-176300
Weight	*lb*	9259	11684	13889
Closing force	*lb***	273300	317400	352700
Jaw opening	*inch*	59,05	62,99	68,89
Jaw depth	*inch*	44,68	48,62	53,14
Width upper jaw	*inch*	3,54	3,93	3,93
Height	*inch*	112	117,91	126,96
Length of cutting blades	*inch*	11,81	11,81	15,74
Opening/Closing Pmax	*psi**	4641	4641	4641
Flow	*gpm*	79.2-132	105.6-158.5	132-184.9
Rotation Pmax	*psi*	2030	2030	2900
Flow	*gpm*	10.5-15.8	10.5-15.8	15.8
Back pressure max.	*psi*	-	-	145**
Cycle time Opening/Closing	*sec*	3.2/3.4	2.8/3.9	2.8/3.8



“F” JAW

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OPTIONAL MCK10-A: crusher shroud kit MCK10-F

2-CYLINDER CONCRETE CRUSHERS

for excavators from **2200** to **176300 lb**

Find out more

Not even the hardest job can withstand the MCK!

- Double motors for an excellent rotation and high power (MCK20 up).
- Double-turn ball bearing (MCK20 up).
- Jaws highly resistant.
- High cutting power.
- Cylinders fully protected from possible debris during demolition.

"C" JAW

USED FOR CUTTING AND CRUSHING CONCRETE WITH STEEL REINFORCEMENT AND FOR CUTTING STEEL STRUCTURES, THE HAMMER CONCRETE CRUSHER HAS BEEN DEVELOPED FOR PRIMARY AND SECONDARY DEMOLITION.

- Hydraulic system fully protected by the frame
- Perfect jaws geometry ensures that blades remain sharp longer
- Wearing jaws and blades easily replaceable on site
- Customized jaws are available for every customer need *optional

MCK SERIES

Application Fields

Mining & Quarrying | Demolition & Renovation | Construction | Metallurgical Industry | Recycling

Models		MCK10-C	MCK15-C	MCK20-C	MCK25-C	MCK35-C	MCK45-C
Carrier weight	*lb*	22000-37400	30800-44000	39600-55100	44000-77100	55100-99200	77100-121200
Weight	*lb*	2645	3086	4629	5346	7275	9523
Closing force	*lb***	154300	171900	185100	211600	238000	273300
Jaw opening	*inch*	30,70	32,48	39,37	45,27	53,54	59,05
Jaw depth	*inch*	27,16	30,70	34,05	36,81	52,55	44,68
Width upper jaw	*inch*	1,96	2,16	2,36	2,75	3,14	3,54
Height	*inch*	70,86	77,95	86,41	94,09	100,19	112
Length of cutting blades	*inch*	7,87	7,87	7,87	9,84	11,81	11,81
Opening/Closing Pmax	*psi**	4641	4641	4641	4641	4641	4641
Flow	*gpm*	23.7-39.6	29-44.9	39.6-66	52.8-79.2	66-92.4	79.2-132
Rotation Pmax	*psi*	2030	2030	2030	2030	2030	2030
Flow	*gpm*	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8
Back pressure max.	*psi*	-	-	-	-	-	-
Cycle time Opening/Closing	*sec*	2.4/3.1	2.3/3.0	2.3/3.0	2.5/3.4	3.3/3.6	3.2/3.4

Models		MCK60-C	MCK75-C
Carrier weight	*t*	110200-154300	132200-176300
Weight	*kg*	11993	13889
Closing force	*lb***	317400	352700
Jaw opening	*inch*	62,99	66,92
Jaw depth	*inch*	48,62	53,14
Width upper jaw	*inch*	3,93	3,93
Height	*inch*	117,91	126,96
Length of cutting blades	*inch*	11,81	15,74
Opening/Closing Pmax	*psi**	4641	4641
Flow	*gpm*	105.6-158.5	132-184.9
Rotation Pmax	*psi*	2030	2900
Flow	*gpm*	10.5-15.8	15.8
Back pressure max.	*psi*	-	145**
Cycle time Opening/Closing	*sec*	2.8/3.9	2.8/3.8

"C" JAW

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2-CYLINDER CONCRETE CRUSHERS

for excavators from **2200** to **176300 lb**

Find out more

Not even the hardest job can withstand the MCK!

- Double motors for an excellent rotation and high power (MCK20 up).
- Double-turn ball bearing (MCK20 up).
- Jaws highly resistant.
- High cutting power.
- Cylinders fully protected from possible debris during demolition.

USED FOR CUTTING AND CRUSHING CONCRETE WITH STEEL REINFORCEMENT AND FOR CUTTING STEEL STRUCTURES, THE HAMMER CONCRETE CRUSHER HAS BEEN DEVELOPED FOR PRIMARY AND SECONDARY DEMOLITION.

- Hydraulic system fully protected by the frame
- Perfect jaws geometry ensures that blades remain sharp longer
- Wearing jaws and blades easily replaceable on site
- Customized jaws are available for every customer need *optional

MCK SERIES

"D" JAW

Application Fields

Mining & Quarrying · Demolition & Renovation · Construction · Metallurgical Industry · Recycling

Models		NEW MCK20-D	NEW MCK25-D	NEW MCK35-D	NEW MCK45-D	NEW MCK60-D	NEW MCK75-D
Carrier weight	*lb*	39600-55100	44000-77100	55100-99200	77100-121200	110200-154300	132200-176300
Weight	*lb*	4629	5346	7275	9523	11993	13889
Closing force	*lb***	185100	211600	238000	273300	317400	352700
Jaw opening	*inch*	38,58	44,29	53,34	58,66	61,61	67,32
Jaw depth	*inch*	34,05	36,81	52,55	44,68	48,62	53,14
Width upper jaw	*inch*	2,36	2,75	3,14	3,54	3,93	3,93
Height	*inch*	86,41	94,09	100,19	112	117,91	126,96
Length of cutting blades	*inch*	7,87	9,84	11,81	11,81	11,81	15,74
Opening/Closing Pmax	*psi**	4641	4641	4641	4641	4641	4641
Flow	*gpm*	39.6-66	52.8-79.2	66-92.4	79.2-132	105.6-158.5	132-184.9
Rotation Pmax	*psi*	2030	2030	2030	2030	2030	2900
Flow	*gpm*	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	15.8
Back pressure max.	*psi*	-	-	-	-	-	145**
Cycle time Opening/Closing	*sec*	2.3/3.0	2.5/3.4	3.3/3.6	3.2/3.4	2.8/3.9	2.8/3.8

"D" JAW

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HYDRAULIC SCRAP SHEARS

for excavators from **6600** to **220400 lb**

Find out more

Scraps are running out of time...

- Extremely high cutting power and optimal performance/weight ratio.
- Double motors for an excellent rotation and high power.
- Cylinder fully protected from possible debris during demolition.
- Body and jaws made of wear resitant steel.
- Double-turn ball bearing (from model KSC22 up).
- Strong jaw guiding system.
- Blades made of indexable steel 4 or 8 times.

THE HAMMER KSC SCRAP SHEARS ARE DESIGNED TO ACHIEVE AN OPTIMAL POWER TO WEIGHT RATIO.

ALL THE PARTS THAT MOSTLY UNDERGO WEARING ARE EASILY REPLACEABLE

SPEED VALVE (OPTIONAL *FROM MODEL KSC22 UP)

- Optimized pin stops
- Repleaceable tip
- Specific design
- Use of more performing materials
- Rotation 360°

ENHANCED ROTATION SYSTEM (DOUBLE MOTOR WITH FILTER)

OPTIONAL

PRESSURE UP TO 5071 PSI

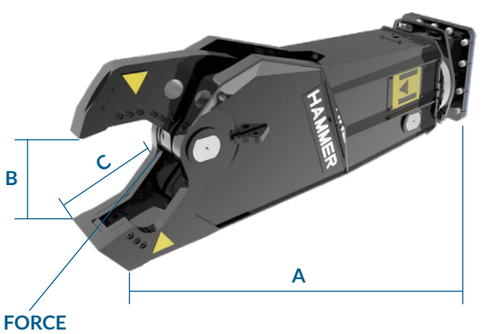
KSC SERIES

Application Fields

Mining & Quarrying · Demolition & Renovation · Construction · Metallurgical Industry · Recycling

Models		KSC03	KSC06	KSC11	KSC22	KSC32	KSC42	KSC52	KSC62	KSC72
Excavator weight - stick mounting	*lb*	6600-17600	11000-26400	22000-44000	30800-61700	44000-77100	70500-121200	99200-143300	132200-154300	165300-220400
Excavator weight - boom mounting	*lb*	4400-11000	6600-17600	15400-30800	26400-46200	44000-66100	55100-88100	77100-121200	77100-88100	99200-121200
Weight	*lb*	661	1058	2425	4739	6834	9038	11023	13668	17416
Excavator oil flow capacity	*gpm*	21.1-26.4	18.4-26.4	39.6-52.8	39.6-66	52.8-79.2	79.2-105.6	92.4-118.8	105.6-132	118.8-158.5
Excavator working pressure	*psi*	4061	3625	4061	4641	4641	5076	5076	5076	5076
360° rotation	°	360°	360°	360°	360°	360°	360°	360°	360°	360°
Rotation oil flow capacity	*gpm*	1.3	5.2-7.9	5.2-7.9	10.5-15.8	10.5-15.8	10.5-15.8	10.5-15.8	6.6-13.2	18.4
Rotation Pressure	*psi*	1740	1160	2030	2030	2030	2030	2030	2030	2030
A	*inch*	52,36	74,01	87	101,18	107,08	120,07	133,85	153,74	164,96
B	*inch*	10,43	13,77	16,92	19,29	22,44	24,40	25,98	30,70	33,26
C	*inch*	9,05	13,70	18,89	18,50	19,29	21,25	23,03	27,16	27,95
Cutting Force**	*kn*	1850	2750	3800	4650	6300	7550	9550	9000	12000
Ø Max	*inch*	0,98	1,18	1,77	2,75	3,54	3,93	4,33	4,92	5,31
■	*inch*	0,86	0,98	1,37	2,36	3,14	3,54	3,93	4,33	4,72
—	*inch*	0,19	0,23	0,39	0,59	0,78	0,78	0,98	1,10	1,18
H	*inch*	3.14	3.93	7.87	11.81	15.74	17.71	19.68	21.65	23.62
H	*inch*	2.36	2.75	5.51	7.87	10.23	11.02	12.20	12.99	13.77

TECHNICAL DRAWING



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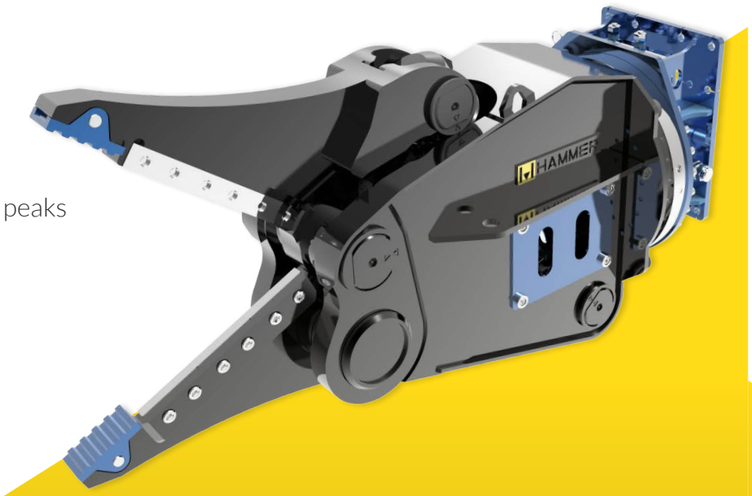
VEHICLE DISMANTLER

for excavators from **19800** to **37400 lb**

Find out more

NEW PRODUCT

Ready, set, cut!



- Rotation 360°
- Integrated “relief” valve to avoid pressure peaks on the rotating motor
- Excellent speed/power to weight ratio
- Cylinder fully protected from possible debris during demolition

- Easily interchangeable and reversible blades
- Straight blades for a smooth and precise cut
- Sharp jaws allow components to be removed from vehicles

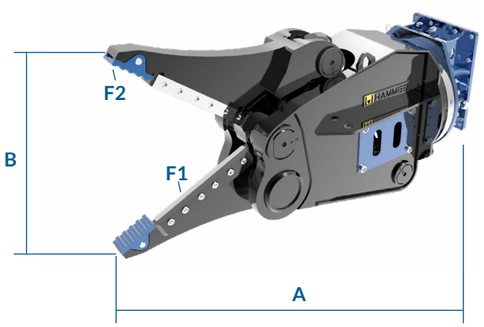
CS SERIES

Application Fields

Mining & Quarrying | Demolition & Renovation | Construction | Metallurgical Industry | Recycling

Models		CS10	CS17
Carrier weight	*lb*	19800-37400	/
Weight	*lb*	2160	/
Excavator oil flow capacity	*gpm*	18.4-29	/
Excavator working pressure	*psi*	4641	/
360° Rotation	°	360°	/
Rotation oil flow capacity	*gpm*	5.2-10.5	/
Rotation Pressure	*psi*	1450	/
A	*inch*	70.6	/
B	*inch*	29.6	/
Total Steel blade length	*inch*	17.7	/
F1	*lb*	176300	/
F2	*lb*	90300	/

TECHNICAL DRAWING



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MULTI-PURPOSE GRABS

for excavators from **2200** to **110200 ton**

Grab up everything!

- Replaceable wear plates (400hb).
- Robust and fully integrated rotation.
- Relief valve for hydraulic rotation.
- Cylinder fully protected from possible debris during demolition.
- Opening/Closing lock valve *optional.
- Kit for two hydraulic lines system (GR15-GR75) *Optional.
  This kit can only be purchased at the moment of the order.
  It is not possible to add this kit after the product installation.

Find out more

THE NEW MULTI PURPOSE GRABS OF GR SERIES ARE DESIGNED FOR HANDLING, RECYCLING AND SMALL DEMOLITIONS.

HIGH CLOSING FORCE

ALL THE PARTS THAT MOSTLY UNDERGO WEARING ARE EASILY REPLACEABLE

4-GRIP KIT

CURB HANDLING

FULL SIDE CLOSING KIT

TOOTHED SIDE CLOSING KIT

GR SERIES

Application Fields

Mining & Quarrying

Demolition & Renovation

Construction

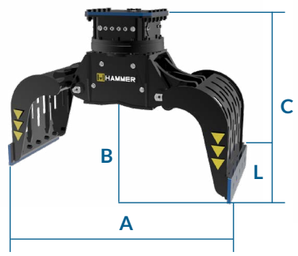
Metallurgical Industry

Recycling

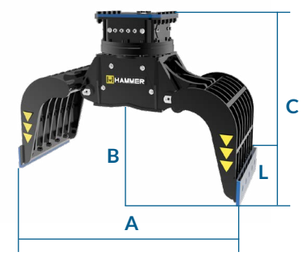
Models		NEW GR10	GR15	GR25	GR45	GR75	GR100	GR150	NEW GR210
Carrier weight	*lb*	2200-6600	3300-8800	8800-15400	11000-26400	15400-35200	28600-41800	37400-66100	52900-77100
Weight + Standard Jaw	*lb*	205	319	529	1058	1543	2204	3306	4166
Weight + Demolition Jaw	*lb*	/	341	683	1234	2160	3042	3858	4475
Weight + Teeth Jaw	*lb*	/	341	540	1058	1565	2204	3328	/
Excavator oil flow capacity	*gpm*	3.7	3.9	5.2	6.6	11.8	13.2	19.8	44.9
Excavator working pressure	*psi*	2610	2900	3625	3625	3625	4351	4351	4496
360° Rotation	°	360°	360°	360°	360°	360°	360°	360°	360°
Rotation oil flow capacity	*gpm*	2.1-4.2	2.6-5.2	2.6-5.2	3.9-6.6	3.9-6.6	10.5-15.8	10.5-15.8	7.9
Rotation Pressure	*psi*	1160	1450	1450	1450	1450	1450	1450	3045
A	*inch*	27,55	36,41	46,06	59,05	64,37	70,07	76,77	94,48
B	*inch*	10,62	11,81	14,56	18,50	20,47	22,44	26,57	27,16
C	*inch*	26,77	27,55	32,48	41,14	44,48	48,22	61,02	57,08
L	*inch*	11,81	15,74	19,68	23,62	27,55	31,49	40,15	47,44

Models		NEW GR260	NEW GR300
Carrier weight	*lb*	61700-99200	77100-110200
Weight + Standard Jaw	*lb*	5467	6150
Weight + Demolition Jaw	*lb*	5985	7672
Weight + Teeth Jaw	*lb*	/	/
Excavator oil flow capacity	*gpm*	52.8	52.8
Excavator working pressure	*psi*	4496	4496
360° Rotation	°	360°	360°
Rotation oil flow capacity	*gpm*	7.9	7.9
Rotation Pressure	*psi*	3045	3045
A	*inch*	95,27	110,23
B	*inch*	27,55	29,88
C	*inch*	65,35	68,89
L	*inch*	47,44	59,05

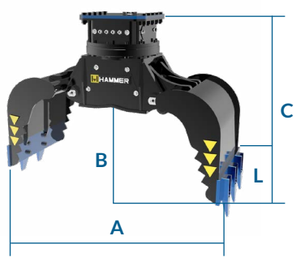
TECHNICAL DRAWING



GR + STANDARD JAWS



GR + DEMOLITION JAWS



GR + TEETH JAWS

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KINSHOFER GROUP

19 COMPANIES AND 11 BRANDS

KINSHOFER crane and excavator attachments

TREVIBENNE

CANGINI

Demarec Demolition and Recycling Equipment

RF

AUGER TORQUE EARTHMOVING ATTACHMENTS

Solesbee's

DOHERTY COUPLERS AND ATTACHMENTS

HAMMER

PROLEC SIMPLY SAFER

HGT

WITH
OUR PASSION
ALWAYS
AT YOUR
SERVICE

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