



HAMMER

OUR PASSION ALWAYS AT YOUR SERVICE



Made In Italy

CATALOG 20**24**





About Hammer

Our History

Demolition
Excavation
Material handling
Recycling

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 breakers, 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.

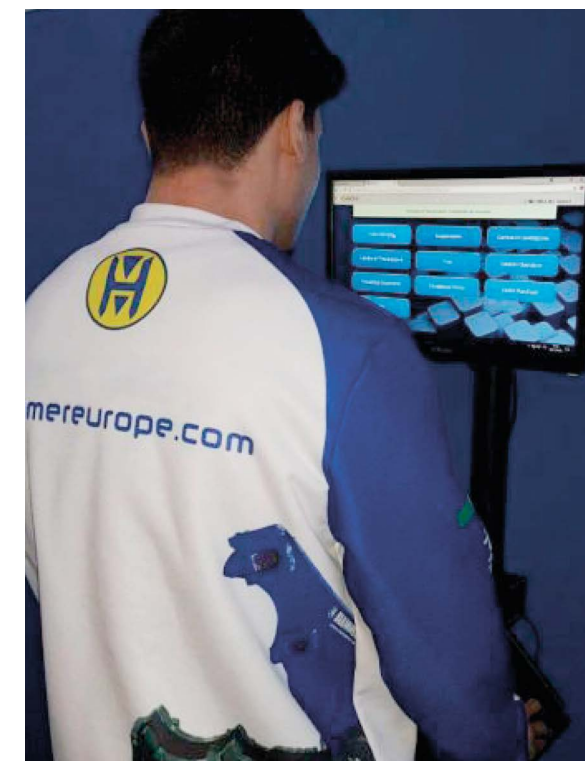


Research and development

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

Pages 14-15



FX

HYDRAULIC
BREAKERS

Pages 16-19



FRK

DEMOLITION
ROTATING
PULVERIZERS

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FPK

STATIC
PULVERIZERS

Pages 22-23



MCK

CONCRETE
CRUSHERS

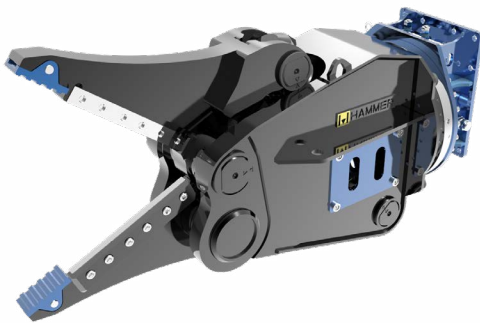
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KSC

SCRAP
SHEARS

Pages 32-33



CS

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.

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.



SB
132-1543 LB

FX
1543 - 31967 LB



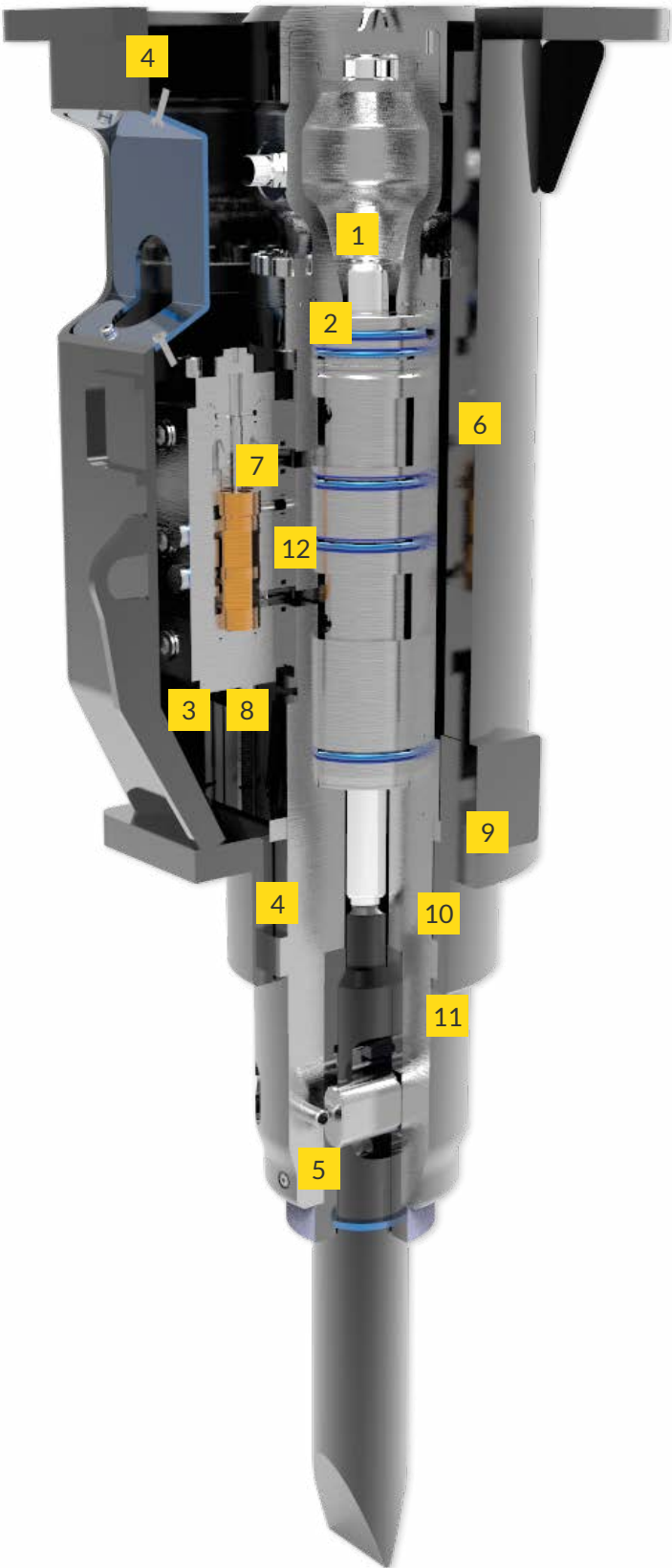
Application overview

			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	★	★	★
	Primary rock breaking	Removing blockages at crushing systems	★	★	★
		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	★	★	★
 Construction		Fiber-reinforced concrete	★	★	★
	Pavements	Asphalt	★	★	★
		Concrete	★	★	★
		Composite surfaces	★	★	★
	Earthworks	Trenching	★	★	★
		Pit building	★	★	★
		Ground excavation	★	★	★
	Tunneling	Tunnel driving	★	★	★
		Roof, face & rib scaling	★	★	★
		Floor leveling	★	★	★
	Dredging	Canal deepening & extension	★	★	★
		Dock deepening & extension	★	★	★
 Metallurgical Industry	Gardening & Landscaping	Fencing	★	★	★
		Ground excavation	★	★	★
		Rock breaking	★	★	★
	Foundation works	Ground leveling	★	★	★
	Building construction	Foundation pile driving	★	★	★
	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

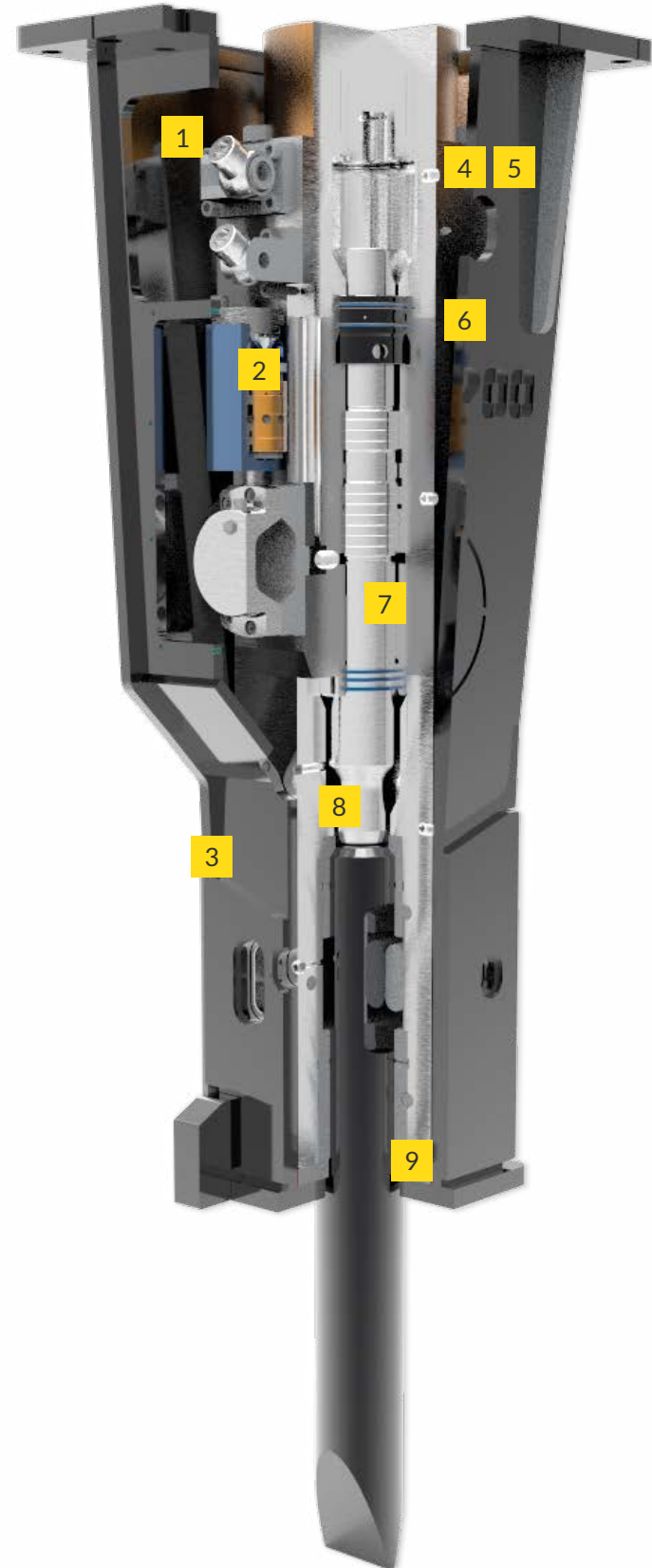
Monobloc hydraulic breaker without tie rods and diaphragm



- 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 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 significantly 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.



Product Series

Discover all our series

HYDRAULIC BREAKERS WITHOUT TIE RODS

for excavators from 1100 to 30800 lb

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

SB
SERIES



Find out more



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.

Application
Fields



Mining
& Quarrying



Demolition
& Renovation



Construction



Metallurgical
Industry



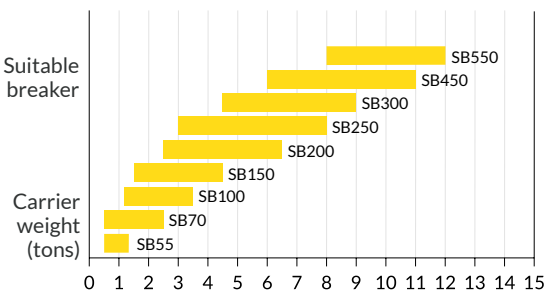
Recycling

TECHNICAL DRAWINGS



Models		SB55	SB70	SB100	SB150	SB200	SB250	Models		SB300	NEW SB450	NEW SB550
Carrier weight	lb	1100-3000	1100-3500	2600-5500	3300-8300	5500-11000	6600-14300	Carrier weight	lb	9900-18700	13200-22000	17600-27500
Weight	lb	132	154	220	297	418	529	Weight	lb	661	1036	1146
Body height (a)	inch	22,95	22,95	26,22	26,22	34,21	34,21	Body height (a)	inch	35,59	44,68	44,68
Tool height (b)	inch	7,87	8,97	10,03	10,03	10,82	11,81	Tool height (b)	inch	11,61	14,88	16,96
Tool diameter	inch	1,57	1,57	1,77	1,88	2,16	2,55	Tool diameter	inch	2,95	3,14	3,54
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	Required oil supply	gpm	13.2-18.4	15.1-21.1	17.1-22.4
Oil hammer pressure	psi	1595	1595	1595	1595	1885	2030	Oil hammer pressure	psi	2320	2320	2320
Blows per minute	/min	800-1700	800-1750	800-2300	800-2000	900-1900	850-1800	Blows per minute	/min	600-1500	600-1300	600-1300
Energy per blow	j	250	280	400	580	750	950	Energy per blow	j	1200	1700	2300
Max. Back pressure	psi	435	435	435	435	435	435	Max. Back pressure	psi	435	435	435
Inner diam. in hose	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	Inner diam. in hose	inch	3/4"	3/4"	3/4"
Inner diam. out hose	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	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.



PYRAMID TOOL
Suitable for reinforced concrete and very compact rocks.



BLUNT 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



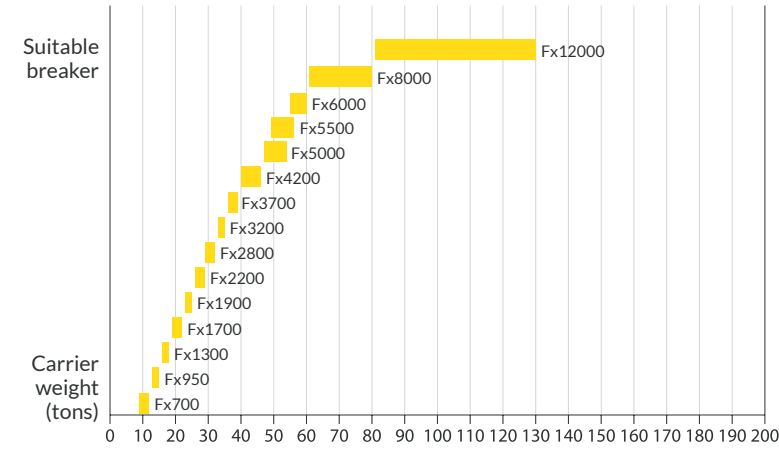
Recycling

TECHNICAL DRAWING



Models		FX700	FX950	FX1300	FX1700	FX1900	FX2200	Models		FX2800
Carrier weight	lb	17600-30800	22000-37400	28600-41800	39600-52900	48500-59500	50700-68300	Carrier weight	lb	61700-83700
Weight	lb	1543	2094	2645	3637	4078	4850	Weight	lb	6393
Body height (a)	inch	51,57	54,72	57,87	65,74	70,47	72,44	Body height (a)	inch	79,92
Tool height (b)	inch	16,92	21,65	22,04	24,40	28,54	28,34	Tool height (b)	inch	27,95
Tool diameter	inch	3,74	4,52	4,72	5,31	5,51	5,90	Tool diameter	inch	6,29
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	Required oil supply	gpm	47.5-63.4
Oil hammer pressure	psi	2320	2393	2465	2610	2610	2610	Oil hammer pressure	psi	2610
Blows per minute	/min	600-900	600-900	400-900	400-800	400-800	400-800	Blows per minute	/min	350-700
Energy per blow	j	2000	2600	3200	4200	4700	5400	Energy per blow	j	8500
Max. Back pressure	psi	362	362	362	362	362	362	Max. Back pressure	psi	362
Inner diam. in hose	inch	3/4"	1"	1"	1"	1"	1"	Inner diam. in hose	inch	1" 1/4
Inner diam. out hose	inch	3/4"	1"	1"	1"	1"	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	Models		FX8000	FX12000
Carrier weight	lb	66100-88100	77100-110200	79300-121200	88100-121200	88100-143300	99200-165300	Carrier weight	lb	132200-242500	176300-374700
Weight	lb	7054	8157	9700	10582	11464	12786	Weight	lb	17196	26455
Body height (a)	inch	79,92	88,58	88,58	90,55	118,11	125,98	Body height (a)	inch	145,66	174,80
Tool height (b)	inch	27,95	31,10	31,10	31,10	27,55	27,55	Tool height (b)	inch	31,49	29,92
Tool diameter	inch	6,29	7,08	7,08	7,08	7,67	7,67	Tool diameter	inch	8,46	10,03
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	Required oil supply	gpm	100.3-116.2	126.8-150.5
Oil hammer pressure	psi	2610	2610	2755	2755	2755	2755	Oil hammer pressure	psi	2755	2755
Blows per minute	/min	300-650	300-650	300-650	350-700	250-550	250-550	Blows per minute	/min	200-400	150-300
Energy per blow	j	9000	9500	12500	13500	16500	18500	Energy per blow	j	23000	28000
Max. Back pressure	psi	362	362	362	362	435	435	Max. Back pressure	psi	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. in hose	inch	1" 1/4	1" 1/2
Inner diam. out 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" 1/2

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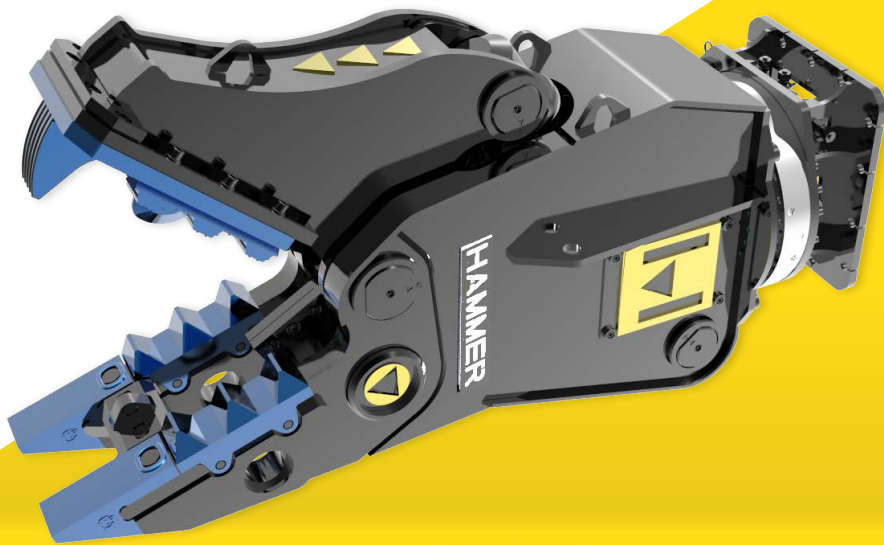


DEMOLITION ROTATING PULVERIZERS

for excavators from 6600 to 198400 lb

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



Find out more

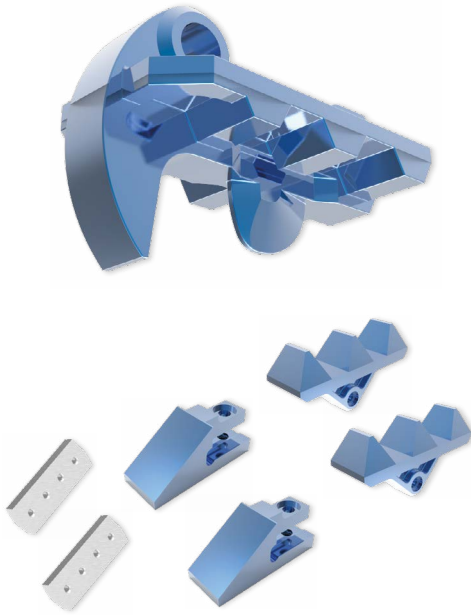
THE ROTARY PULVERIZERS OF THE NEW FRK SERIES HAVE BEEN DEVELOPED FOR PRIMARY AND SECONDARY DEMOLITION.

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)



FRK SERIES

Application Fields



Mining & Quarrying



Demolition & Renovation



Construction

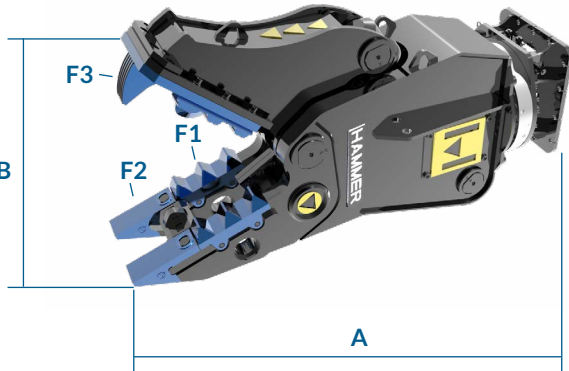


Metallurgical Industry



Recycling

TECHNICAL DRAWING



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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

STATIC PULVERIZERS
for excavators from 33000 to 132200 lb

First quality
secondary demolition

- Designed and built to achieve high crushing force



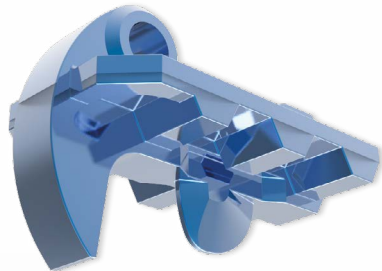
Find out more

NEW

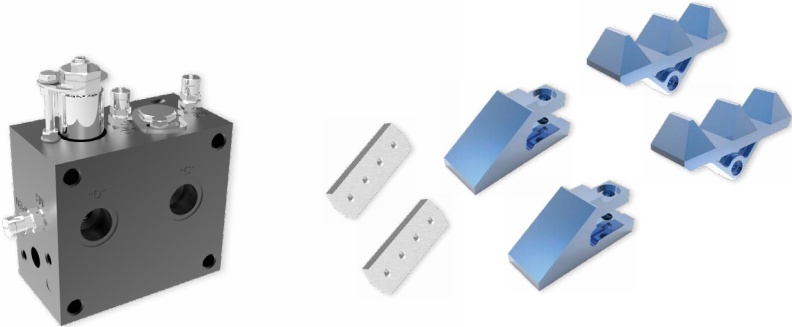
PRODUCT

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

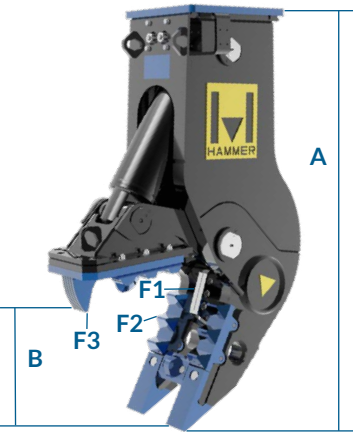


Metallurgical
Industry



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



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

		NEW					
Models		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

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- Double-turn ball bearing (MCK20 up).
- Jaws highly resistant.
- High cutting power.
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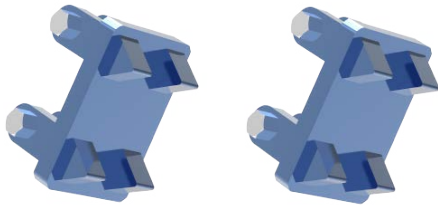


"A" JAW

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



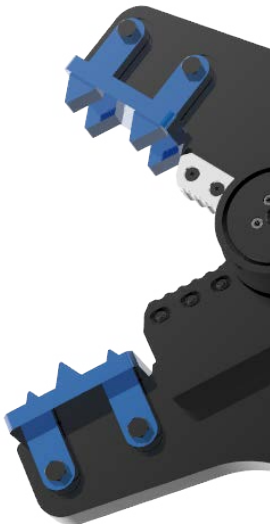
Metallurgical Industry



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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2-CYLINDER CONCRETE CRUSHERS

for excavators from 2200 to 176300 lb

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- 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.



Find out more

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

“C” JAW

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

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- 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.



Find out more

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

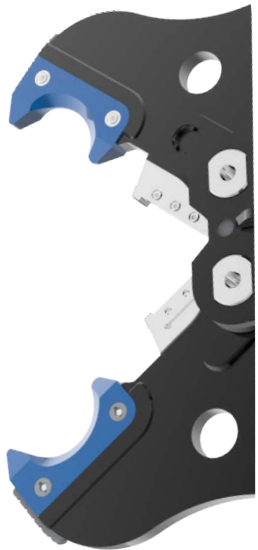


Metallurgical Industry



Recycling

		NEW	NEW	NEW	NEW	NEW	NEW
Models		MCK20-D	MCK25-D	MCK35-D	MCK45-D	MCK60-D	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

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 resistant steel.
- Double-turn ball bearing (from model KSC22 up).
- Strong jaw guiding system.
- Blades made of indexable steel 4 or 8 times.



Find out more

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
- Replaceable 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



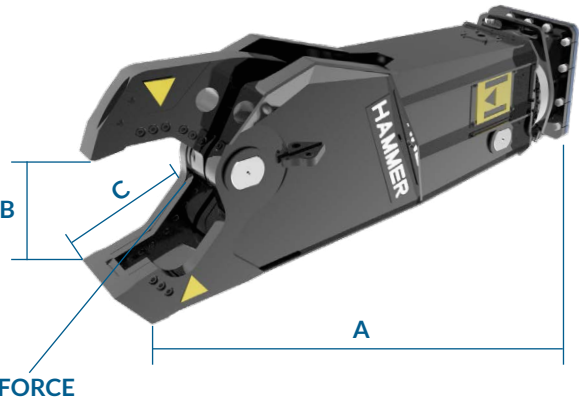
Metallurgical Industry



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
I	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



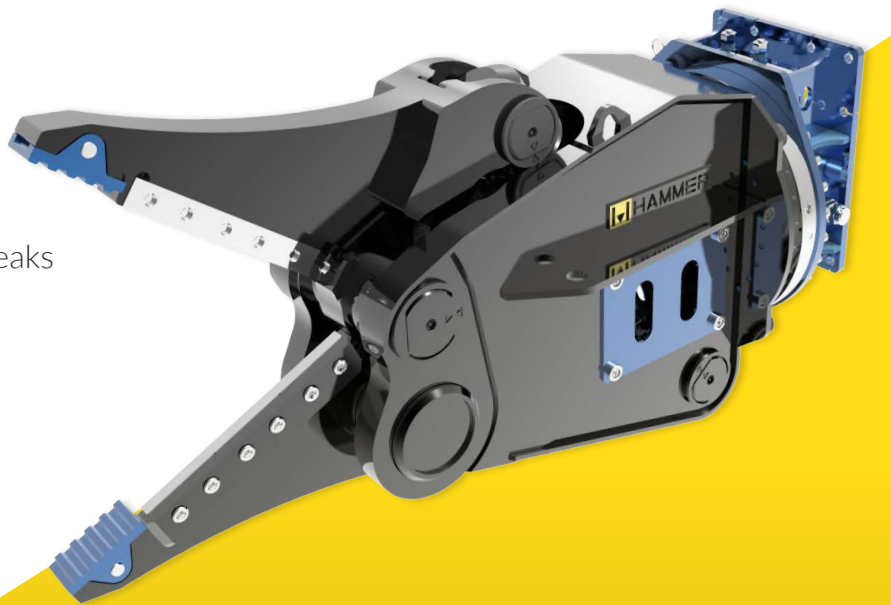
Find out more

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



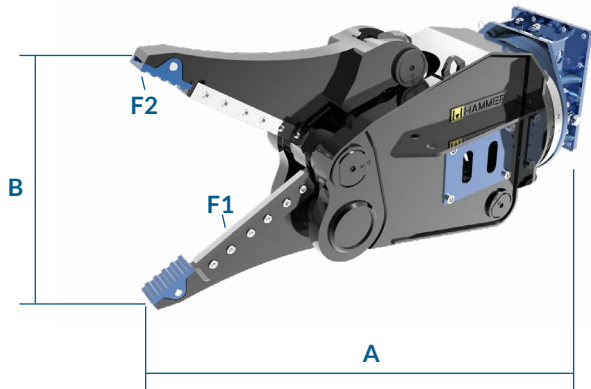
Metallurgical
Industry



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.



GR
SERIES



Find out more

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

ALL THE PARTS
THAT MOSTLY
UNDERGO
WEARING
ARE EASILY
REPLACEABLE

HIGH CLOSING FORCE

4-GRIP KIT

CURB HANDLING

FULL SIDE CLOSING KIT

TOOTHED SIDE CLOSING KIT

Application
Fields



Mining
& Quarrying



Demolition
& Renovation



Construction



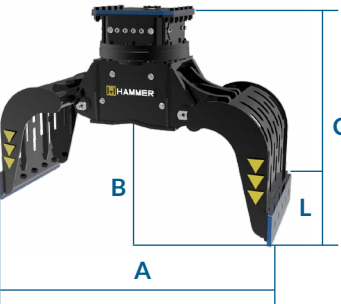
Metallurgical
Industry



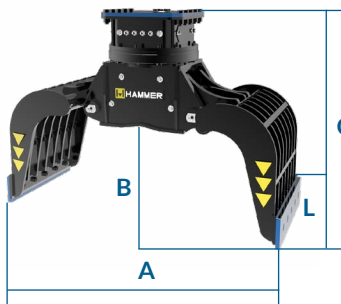
Recycling

		NEW										NEW							
Models		GR10	GR15	GR25	GR45	GR75	GR100	GR150	GR210	Models		GR260	GR300						
Carrier weight	lb	2200-6600	3300-8800	8800-15400	11000-26400	15400-35200	28600-41800	37400-66100	52900-77100	Carrier weight	lb	61700-99200	77100-110200						
Weight + Standard Jaw	lb	205	319	529	1058	1543	2204	3306	4166	Weight + Standard Jaw	lb	5467	6150						
Weight + Demolition Jaw	lb	/	341	683	1234	2160	3042	3858	4475	Weight + Demolition Jaw	lb	5985	7672						
Weight + Teeth Jaw	lb	/	341	540	1058	1565	2204	3328	/	Weight + Teeth Jaw	lb	/	/						
Excavator oil flow capacity	gpm	3.7	3.9	5.2	6.6	11.8	13.2	19.8	44.9	Excavator oil flow capacity	gpm	52.8	52.8						
Excavator working pressure	psi	2610	2900	3625	3625	3625	4351	4351	4496	Excavator working pressure	psi	4496	4496						
360° Rotation	°	360°	360°	360°	360°	360°	360°	360°	360°	360° Rotation	°	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 oil flow capacity	gpm	7.9	7.9						
Rotation Pressure	psi	1160	1450	1450	1450	1450	1450	1450	3045	Rotation Pressure	psi	3045	3045						
A	inch	27,55	36,41	46,06	59,05	64,37	70,07	76,77	94,48	A	inch	95,27	110,23						
B	inch	10,62	11,81	14,56	18,50	20,47	22,44	26,57	27,16	B	inch	27,55	29,88						
C	inch	26,77	27,55	32,48	41,14	44,48	48,22	61,02	57,08	C	inch	65,35	68,89						
L	inch	11,81	15,74	19,68	23,62	27,55	31,49	40,15	47,44	L	inch	47,44	59,05						

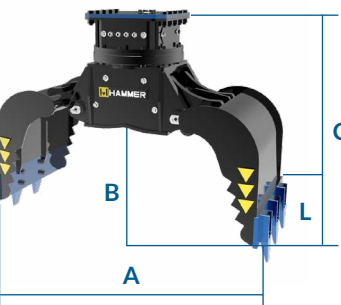
TECHNICAL
DRAWING



GR + STANDARD JAWS



GR + DEMOLITION JAWS



GR + TEETH JAWS

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19 COMPANIES AND 11 BRANDS



WITH
OUR PASSION
ALWAYS
AT YOUR
SERVICE



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HAMMER YOUR WAY TO SUCCESS



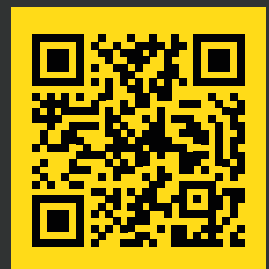
Via Oleifici
dell'Italia Meridionale,
Lotto G1 Z.I.

70056, Molfetta BA,
Italy

info@hammer-europe.com

T. +39 080 337 53 17

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