

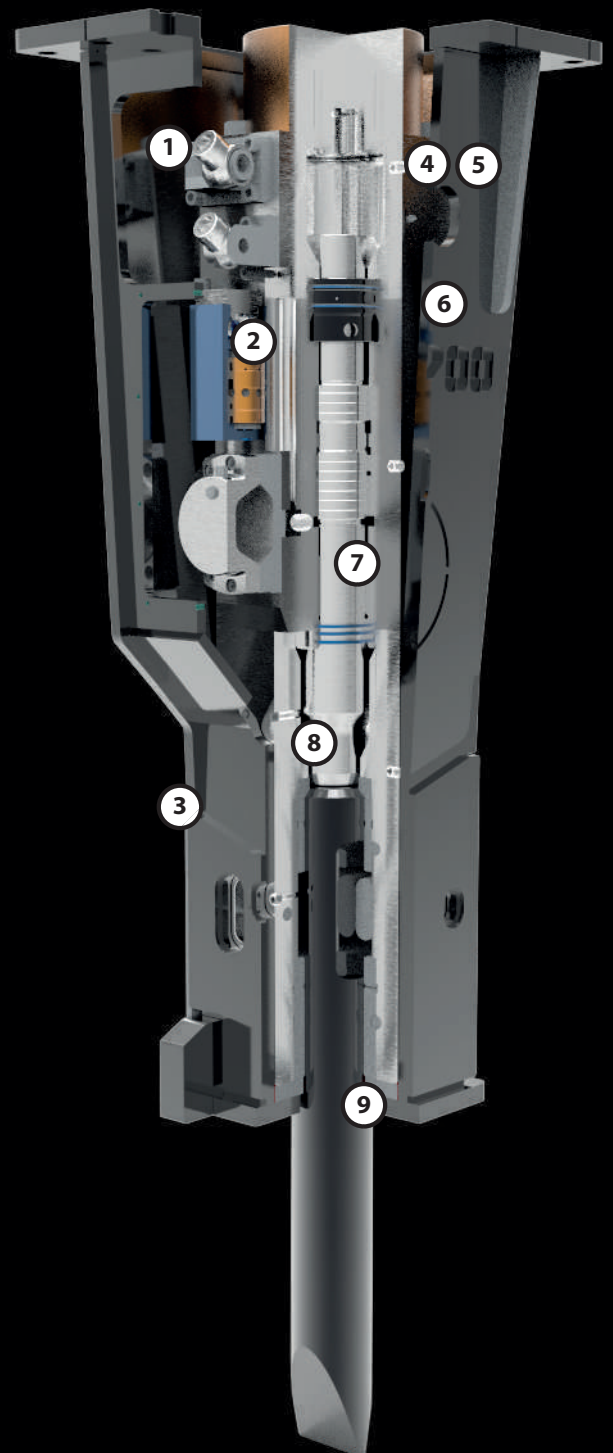
# EFFICIENCY BECOMES POWER

## Hammer Hydraulic Breakers

- 1** Tubes with swivels fully protected from any bad uses and resistant to vibrations in case of lack of nitrogen in the chamber.
- 2** Regulation of the operating pressure  
For the FX series (FX950-15000), it is possible to adjust the working pressure by a manual valve located frontally, on the distribution of the breaker.
- 3** Anti-dust and underwater work set up  
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 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 own tank of grease with a capacity of 4 kg or 8 kg, making thus the system cheaper than all the other devices with single cartridges.
- 6** Manual adjustment of blows  
For the FX series (FX950-FX15000), the regulation of the blows is carried out manually by an adjusting valve located on the side of the breaker.
- 7** Hydraulic system for blank firings  
The hydraulic system is a regenerative oil circuit that avoids blank firings when the tool is not in contact with the rock.
- 8** The piston is built with a special geometry such as to keep a constant energy of impact, as well as for reducing breakages in conditions of criticality.
- 9** Anti-dust system for tunnels (optional)  
The anti-dust system consists of the addition of a dustproof seal mounted in the lower bush so to avoid the entering of impurities in the circuit.

The breakers of the FX series, thanks to their power and efficiency and to the right ratio between weight and power, 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.

# FX SERIES



# HAMMER HYDRAULIC BREAKERS

14 models for excavators with operating weight from 8 to 200 ton


- TUBES WITH SWIVELS FULLY PROTECTED
- ADJUSTING OF THE OPERATING PRESSURE
- ANTI-DUST AND UNDERWATER WORK SET UP
- AUTOMATIC HYDRAULIC GREASING DEVICE
- MANUAL ADJUSTMENT OF BLOWS
- HYDRAULIC SYSTEM FOR BLANK FIRINGS
- ANTI-DUST SYSTEM FOR TUNNELS

# FX SERIES



## EFFICIENCY BECOMES POWER

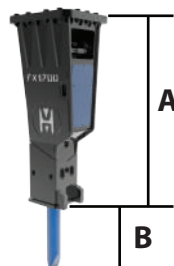
### MODELS

		FX700	FX950	FX1300
 CARRIER WEIGHT	t	8-15	10-16	14-24
WEIGHT	kg	700	950	1200
BODY HEIGHT (A)	mm	1310	1390	1470
TOOL HEIGHT (B)	mm	430	550	560
CHISEL DIAMETER	mm	95	115	120
REQUIRED OIL SUPPLY	l/min	70-100	90-120	110-140
OIL HAMMER PRESSURE	bar	160	165	170
BLOWS PER MINUTE	/min	600-900	600-900	400-900
ENERGY PER BLOW	j	2000	2600	3200
MAX. BACK PRESSURE	bar	25	25	25
INNER DIAM. IN HOSE	inch	3/4"	1"	1"
INNER DIAM. OUT HOSE	inch	3/4"	1"	1"

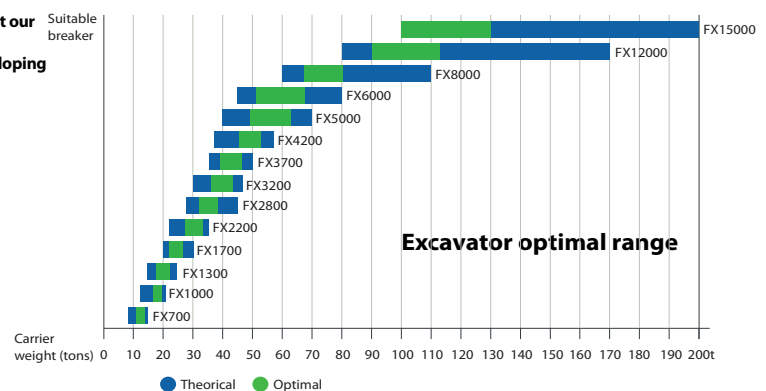
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Suitable  
breaker

Technical Drawing



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**FIND OUT MORE**



**Moil Point**  
Suitable for concrete, medium-hard and not layered 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.



**Blunt Tool**  
Suitable for reinforced concrete and very compact rocks.



**Pyramid Tool**  
Suitable for reinforced concrete and very compact 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.



**MINING & QUARRYING**



**DEMOLITION & RENOVATION**



**CONSTRUCTION**



**METALLURGICAL INDUSTRY**

**MODELS**

		<b>FX1700</b>	<b>FX2200</b>	<b>FX2800</b>	<b>FX3200</b>
<b>CARRIER WEIGHT (t/lb)</b>	<b>t</b>	20-30	22-35	28-45	30-47
<b>WEIGHT</b>	<b>kg</b>	1700	2200	2900	3200
<b>BODY HEIGHT (A)</b>	<b>mm</b>	1670	1840	2030	2030
<b>TOOL HEIGHT (B)</b>	<b>mm</b>	620	720	710	710
<b>CHISEL DIAMETER</b>	<b>mm</b>	135	150	160	160
<b>REQUIRED OIL SUPPLY</b>	<b>l/min</b>	130-160	165-190	180-240	200-260
<b>OIL HAMMER PRESSURE</b>	<b>bar</b>	180	180	180	180
<b>BLOWS PER MINUTE</b>	<b>/min</b>	400-800	400-800	350-700	300-650
<b>ENERGY PER BLOW</b>	<b>j</b>	4200	5400	8500	9000
<b>MAX. BACK PRESSURE</b>	<b>bar</b>	25	25	25	25
<b>INNER DIAM. IN HOSE</b>	<b>inch</b>	1"	1"	1" 1/4	1" 1/4
<b>INNER DIAM. OUT HOSE</b>	<b>inch</b>	1"	1" 1/4	1" 1/4	1" 1/4

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# HAMMER HYDRAULIC BREAKERS


14 models for excavators with operating weight from 8 to 200 ton

## FX SERIES

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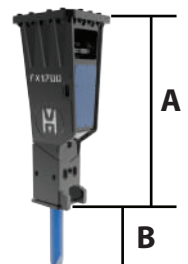


## EFFICIENCY BECOMES POWER

<b>MODELS</b>		<b>FX3700</b>	<b>FX4200</b>	<b>FX5000</b>
 CARRIER WEIGHT (t/lb)	t	35-50	37-57	40-70
WEIGHT	kg	3700	4400	4850
BODY HEIGHT	mm	2250	2250	2390
TOOL HEIGHT	mm	790	790	700
CHISEL DIAMETER	mm	175	180	190
REQUIRED OIL SUPPLY	l/min	250-300	270-320	290-350
OIL HAMMER PRESSURE	bar	180	190	190
BLOWS PER MINUTE	/min	300-650	300-650	250-550
ENERGY PER BLOW	j	9500	12500	16500
MAX. BACK PRESSURE	bar	25	25	30
INNER DIAM. IN HOSE	mm	1" 1/4	1" 1/4	1" 1/4"
INNER DIAM. OUT HOSE	mm	1" 1/4	1" 1/4	1" 1/4"

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Technical Drawing



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**MINING & QUARRYING**



**DEMOLITION & RENOVATION**



**CONSTRUCTION**



**METALLURGICAL INDUSTRY**

**MODELS**

**FX6000**

**FX8000**

**FX12000**

**FX15000**

 CARRIER WEIGHT	t	45-80	60-110	80-170	100-200
WEIGHT	kg	5400	7800	12000	14500
BODY HEIGHT	mm	2390	1840	2030	2030
TOOL HEIGHT	mm	620	720	710	710
CHISEL DIAMETER	mm	195	215	255	280
REQUIRED OIL SUPPLY	l/min	300-380	380-440	480-570	500-600
OIL HAMMER PRESSURE	bar	190	190	190	190
BLOWS PER MINUTE	/min	250-550	200-400	150-300	150-250
ENERGY PER BLOW	j	18500	23000	28000	35000
MAX. BACK PRESSURE	bar	30	30	30	30
INNER DIAM. IN HOSE	mm	1" 1/4	1" 1/4	1" 1/2	1" 1/2
INNER DIAM. OUT HOSE	mm	1" 1/4	1" 1/4	1" 1/2	1" 1/2

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Valvola di Velocizzazione  
Speed Valve  
Eilgangventil  
Speed Valve  
Valvula de Velocidad  
Скоростной клапан



Moltiplicatore di pressione BOOSTER  
Pression multiplier BOOSTER  
Druckmultiplikator BOOSTER  
Multiplicateur de pression BOOSTER  
Multiplicador de presión BOOSTER  
Множитель Давления BOOSTER



Peso attrezzatura  
Equipment weight  
Eigengewicht  
Poids de l'outil  
Peso del implemento  
Вес оборудования



Rotazione continua 360°  
360° rotation  
360° Kontinuierliche Rotation  
Rotation continue 360°  
Rotación continua a 360°  
Непрерывное вращение на 360°



Peso escavatore  
Excavator weight  
Baggergewicht  
Poids du porteur  
Peso Escavadora  
Вес экскаватора



Portata olio della rotazione  
Rotation oil flow capacity  
Oelfluss der Rotation  
Débit hydraulique rotation  
Caudal de aceite necesario para la rotación



Peso escavatore - posto benna  
Excavator weight - stick mounting  
Baggergewicht - Loeffelstiehlmontage  
Poids du porteur - au but du  
Peso escavadora al segundo brazo  
Вес экскаватора (Рукоять)



Pressione di esercizio rotazione  
Rotation Pressure  
Oeldruck der Rotation  
Pression hydraulique rotation  
Presión necesaria para la rotación  
Давление ротации



Peso escavatore - posto braccio  
Excavator weight - boom mounting  
Baggergewicht - Baggerarmmontage  
Poids machibe - montage a la place du  
balancier  
Peso escavadora al balancin



Pressione di esercizio escavatore  
Excavator working pressure  
Oeldruck der Bagger  
Pression hydraulique excavateur  
Presión de la Escavadora  
Давление откр./закр. челюстей

**F3**

Forza in punta  
Tip force  
Schliesskraft auf die Spitze  
Force à la pointe  
Fuerza en punta  
Мощность на кончике



Portata olio escavatore  
Excavator oil flow capacity  
Oelfluss der Bagger  
Débit hydraulique excavateur  
Caudal aceite de la Escavadora  
Поток откр./закр. челюстей



Lunghezza lama  
Steel blade length  
Messerlaenge  
Longuer couteau  
Anchura cuchilla  
Длина ножей

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