



FOLLOW THE LEADERS

EXCAVATION LINE
SB *series*

With our passion, always at your service!
We Sell Solutions and Innovations for Demolition



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Skill 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, factory manager and production manager, in 1989 he started with other partners a company of hydraulic demolition breakers, until 2004. In the same year he decides to found, together with his son Valerio, a family company for the design, production and sale of hydraulic breakers, which takes the name of "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.

Hammer guarantees a 100% Made in Italy product of the highest quality, entirely designed and manufactured in the 7 plants (an area of 30000 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 examples of demolition shears, which paved the way for the demolition and recycling segment; at this point, 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 breaker is built in one piece and there are no side bolts or diaphragms. It is the turn, then, of the grapple line, with the GR series: 7 models from 145 kg to 2000 kg with 3 different types of jaws, depending on the needs of the operator.

The demolition segment is then widened with the FP series (fixed hydraulic crusher for secondary demolition), the FR series (rotary hydraulic crusher for primary and secondary demolition) and the FK series (rotary hydraulic crusher for primary demolition).

Research and development

Our work is based on continuous innovation and research in the 7 factories of Molfetta, where there are:

- an equipped workshop with 65 high-productivity CNC machines;
- the grinding and testing department in which we make sure of the absolute correctness of the various components of our products;
- the carpentry department, equipped with 5 latest generation plasma cutting, 5 robot welding stations and 2 robot stations for assembly;
- the assembly department, in which the technical staff, composed of qualified people constantly updated on the new technologies of the sector, assembles the whole Hammer line;
- a large spare parts warehouse that, thanks to the 6 automated modules that develop vertically, allows us to speed up and optimize the assembly of our range and increase the storage area of 1000 m².

Moreover, thanks to the Industry investment plan 4.0, we managed to further optimize the production process.

The search for new solutions and innovation on existing products are the basis of our activity to be present on the market as protagonists and to offer our customers always the best.

EXCAVATION LINE





EXCAVATION LINE

SBseries

Monobloc Hammer hydraulic breaker

More power and less vibration and maintenance

The SB breakers work with inertial nitrogen energy recovery, obtaining more power and less vibration thanks to the nitrogen chamber which reduces maintenance costs, since it has no diaphragms inside it.

Long lasting of the nitrore 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.

Protected tubes

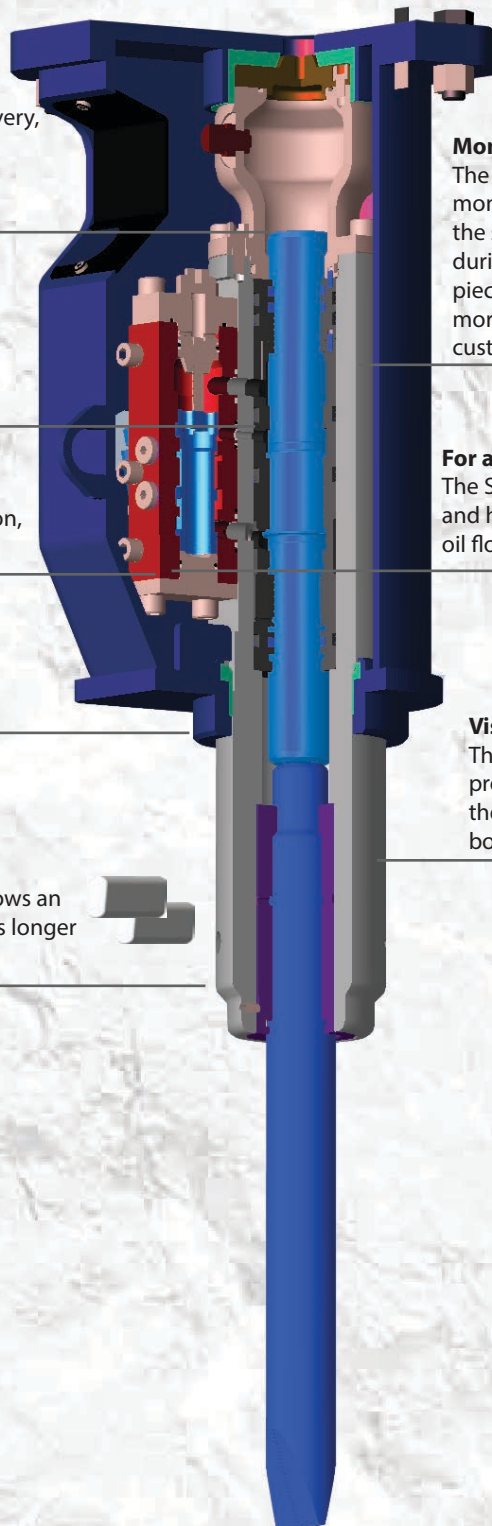
The tubes are completely protected through the casing and they're suitable for every type of excavation, especially in narrow spaces.

Silenced body

The particular construction, with a closed box casing as well as the insertion of sound-absorbing material, allowed to reach very low noise levels for a breaker.

Double retainer pin

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



Monobloc body without side bolts

The entire SB series benefits from the particular monobloc 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 side bolts, thus obtaining more production and less maintenance for our customers.

For all types of installations (pressurization)

The SB series tolerates high back pressure values and has a wide calibration range of the required oil flow, in order to facilitate installation.

Visibility and versatility

The breakers 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 section and with open front.



TOOLS

SBseries

**Monoblock hammer
hydraulic breaker**



Moil Point

Suitable for concrete,
for 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.



Chisel Tool

Suitable for medium-hard and layered rocks.



Wood Cutter Tool

Suitable for cutting all types of wood.



Pile Driver

Suitable for planting wooden or concrete poles.



Asphalt Cutter

Suitable for cutting asphalt





SBseries
Monoblock hammer
hydraulic breaker

Complete with:

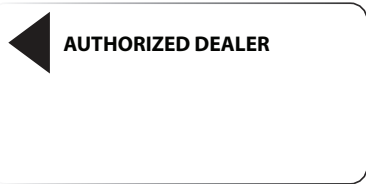
- N.1 Plate for bracket
- N.2 Tools (chisel, blunt, moilpoint or pydamidal)
- N.1 Nitrogen adapter

Optional:

- N.2 Hoses
- N. Special tools (wood cutter, pile driver, asphalt cutter)
- N.1 Nitrogen bottle 1.5 lt
- N.1 Automatic greaser lube



Model		SB 70	SB 100	SB 150	SB200	SB 250	SB 300	SB 400	SB 500
Peso escavatore Carrier weight Poids de l'engin porteur Trägersgewicht Peso excavadora	t	0,5-2,5	1,2-3,5	1,5-4,5	2,5-6,5	3,0-8,0	4,5-9,0	6,0-11	8,0-11
Peso martello Weight Poids Gewicht Peso	kg	70	100	145	190	250	320	430	540
Altezza con utensile standard Height with standard tool Hauteur avec outil standard Höhe inkl. Standardmeißel Altura con puntero estándar	mm	900	1000	1100	1200	1250	1550	1650	1700
Diametro dell'utensile Chisel diameter Diamètre de l'outil Meißeldurchmesser Diámetro del puntero	mm	40	45	48	55	65	75	80	90
Portata olio rich. Required oil supply Débit d'huile nécessaire Erforderliche Ölmenge Caudal del aceite	l/min	13-20	15-30	18-40	25-55	30-60	50-70	75-90	85-110
Pressione dell'olio regolata al martello Oil pressure adjusted to the hammer Pression de l'huile vers le marteau Betriebsdruck Presión del aceite en el martillo	bar	100	110	110	130	140	160	150	150
Numero dei colpi / min. Blows per minute Coups par minute Schlagzahl / Min. Número de golpes/min.	/min	900-1100	900-1100	900-1100	900-1100	900-1100	800-1000	700-900	600-800
Energia del colpo Energy per blow Energie par coup Schlagzahl/ Energía del golpe	J	280	400	580	750	950	1200	1700	2300
Contropressione max Max. back pressure Contre-pressure maxi Max. Gegendruck Contrapresión max.	bar	25	25	25	25	25	25	25	25
Diametro tubo entrata Inner diam. IN hose Diam. intérieur tuyau H.P. Innendurchm. Hammervorlauf Diám. interior manguera presión	inch	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"
Diametro tubo uscita Inner diam. OUT hose Diam. intérieur tuyau B.P. Innendurchm. Hammerrücklauf Diám. interior manguera retorno	inch	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"



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APPLICATIONS




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Specifications are subject to change without notice.