



# Blue Line Hydraulic Breakers | Product Range



**HIT HARD...**  
**SPEND little!**

# Blue Line®: New technology breaks new grounds!



Blue Line breakers are reliable: their unique design comes from European patented technology and their main components are made in Europe.

## BLUE LINE, A TROUBLE-FREE BREAKER...

... no compromise on quality. Best steel quality is the basis, then comes the high manufacturing accuracy with the main components made in Europe. Finally the complete product is assembled and tested in our high tech European facilities. Quality means reliability and durability: Blue Line breakers deliver long hours of rock-breaking... and give you peace of mind.

## BLUE LINE, A BREAKER THAT HITS HARD...

... using a technology that ensures a maximized efficiency:

- Perfect mastering of machining tolerances that increase the breaker's efficiency.
- The patented main valve controls the piston movement in order to increase the striking power.
- The energy recovery system increases the striking power using the energy generated by the piston rebound. This system allows an automatic increase of the breaker's frequency when used on hard materials (no need for manual adjustments).

Efficiency means hitting hard and fast: Blue Line breakers break up all kinds of rocks, even the hardest ones, with maximum power and speed.

## BLUE LINE, A BREAKER THAT PROTECTS THE EXCAVATOR...

... no risks for the hydraulic circuit or the main structure.

- The pressure peaks are reduced by the patented design, this prevents damage to pumps and welding cracks due to transmitted stress waves...
- The suspension system, in the housing version, extends the excavator boom life by absorbing harmful vibrations (High frequency vibrations can be critical for the excavator boom).

No bad surprises or hidden cost, Blue Line breakers operate without damage to the excavator... you save on maintenance costs: your assets are well protected.



# BLUE LINE® : HIT HARD... SPEND LITTLE!

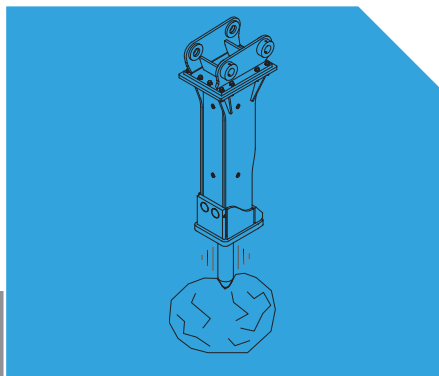
You run and grow your business: day after day you take care of delivering the best job to your customers. And most important: you keep all costs under control...

For you, a breaker must be a tool that breaks up the rocks... without breaking your piggy bank! Now with Blue Line, you have the advantage of doing a good job at little expense.

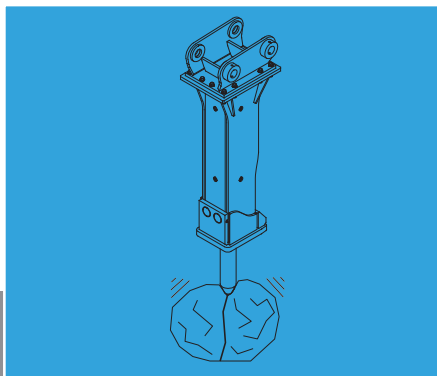
Blue Line puts quality first: Low cost is reached because of a basic robust design, without frills... only the essential is kept : you pay only for rock breaking, nothing else!



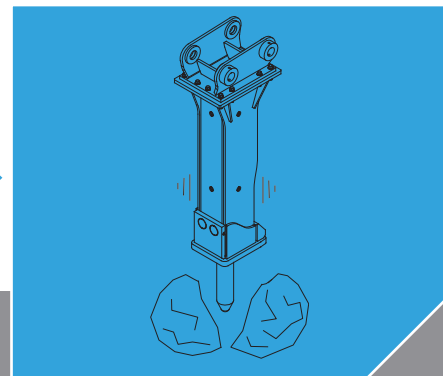
## WHAT IS THE MEANING OF « BLANK FIRING » ?



When the breaker operates in normal conditions the tool is in contact with the rock and strikes.



Then the rock breaks...



There is no resistance under the tool... all the energy remains trapped inside the breaker... as a famous scientist said: "nothing is lost, nothing is created, everything is transformed". An operator often continues to operate when the rock is broken... this is called "blank firing".

## SO... WHAT HAPPENS?

On classical breakers, with the lack of appropriate protection, internal parts can knock against each other... reducing the breaker's life span or even destroying the breaker's components, creating pressure peaks and stress waves that reach and gradually damage the excavator.

In the XL breaker design, Blue Line has considered that it is important to use the maximum part of energy to break the material and not to destroy the breaker or the excavator. That's why all XL breakers include, as standard, patented technology that provides protection against blank firing.

The Blue Line blank firing protection dampens the breaker strike to avoid the destruction of internal parts. Even the most skilled operator can make mistakes... why would you want to have to pay for that? Blue Line patented technology means reliability and durability for your breaker and your excavator, even with blank firing!



# Specifications

		XL1000	XL1300	XL1700	XL1900	XL2600
<b>Carrier weight min. / max.</b>	t	10 / 16	13 / 22	18 / 28	20 / 30	27 / 40
<b>Operating weight</b>	kg	850	1250	1620	1800	2550
<b>Tool diameter</b>	mm	107	117	137	142	156
<b>Flow range min. / max.</b>	l/min	80 / 130	90 / 150	100 / 150	120 / 180	150 / 250
<b>Frequency</b>	blows/ min	900	750	600	600	600
<b>Operating pressure</b>	bar	170	170	180	180	180
<b>Input power</b>	kW	37	43	45	54	75
<b>Energy per blow</b>	J	2000	2700	3400	4000	6000
<b>Working speed</b>		1	1	1	2 - manual	2 - manual
<b>Greasing station</b>		option	option	option	option	option
<b>Blank firing protection</b>		Yes	Yes	Yes	Yes	Yes



by



Montabert: an international presence in more than 100 countries. Optimize the performance of your demolition accessories by contacting our network which is designed to support our products. The Montabert network will provide you with expertise during implementation, maintenance with original spare parts, technical assistance and training.

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