

**MONTABERT**



**Hydraulic Breakers** | Medium & Heavy Product Range



# Cutting edge technology dedicated to your productivity



Due to a unique advanced technology, Montabert hydraulic breakers have patented designs which offer high quality, high productivity and an unbeatable robustness.

## Montabert is the best option to protect your investment:

- Maximum protection of the excavator thanks to its patented mechanisms.
- High resale value due to the longevity and reliability for which Montabert products are famous.



Power and versatility: whether you are breaking rock or concrete, or are excavating, Montabert hydraulic breakers guarantee optimum performance for all your projects.

The choice of a Montabert hydraulic breaker is an investment which will maximize the profitability of your work.

The medium range of breakers covers all makes of excavators between 12 and 25 tonnes in weight, offering reliability and solutions to the customer's needs.

The heavy range is designed to be used on excavators over 18 tonnes, for demolition work, in mines, pits and for tunnel excavation as well as public works.

This range offers the choice between two patented systems which guarantee high productivity:

- A system with 15 variable speeds (BRV system) which automatically adjusts to the ground conditions.
- A system with two automatic speeds (V1200, V1800, V2500, V3500 and V4500), ideal to break up homogeneous materials.

Their reliable design ensures downtime is kept to a minimum, thus minimizing operational costs and lengthening the lifespan of the breaker and the excavator.



1

The hose swivel couplings are designed to ensure that the hoses can turn freely and avoid premature wear

2

The upper suspension reduces the vibrations transferred to the carrier, thereby increasing the longevity of the excavator boom

3

The design and components used in the breaker, together with the diaphragm technology, guarantee maximum energy for each blow

4

The pressure regulator automatically maintains the desired operating pressure regardless of the flow and temperature of the hydraulic oil (patented)

5

A recovery device enables the recycling of energy from the re-coil (upward) stroke of the piston and uses it on the next blow

6

The power cell of the breaker is fitted completely inside the casing and protects against wear as well as reduces noise

# Unique features to maximize your profit

## Productivity

- Automatic 15-speed system (V32/V45/V55/V65): the only system of speed variation allowing a perfect adaptation of energy per blow and the frequency of the blow on the hardness of the terrain, equipped with a patented TPS mechanism to protect against the breakage of the tool. This system is multifunctional and is adaptable to all types of materials for a high productivity regardless of the conditions.
- Automatic 2-speed system (V1200/V1800/V2500/V3500/V4500): high energy or high frequency (patented). Specially recommended to work on homogeneous material.
- The very favourable weight/power ratio obtained through the use of special steels enables the maximum productivity.
- Constant power regardless of the hydraulic conditions (temperature, viscosity, ...) thanks to the automatic pressure regulator.
- An energy recovery device enables the recycling of rebound energy, transmitting it to the following blow and thus increasing the power of the blow.

## Save operating costs

- Because of the high productivity and the optimized hydraulic efficiency of Montabert hydraulic breakers, the energy of the excavator is better converted into shock waves than with breakers using less advanced technology, hence there is a significant saving of fuel.
- The tool bushing can be changed on site without the need of a strip down (patented) (V1800/V2500).
- Montabert's high standard of reliability reduces downtime.

## Reliability

- Superior reliability thanks to the choice of steel and the manufacturing quality of Montabert.
- Blank fire protection.
- Energy chamber with diaphragm reduces the pressure variations in the hydraulic circuits in order to supply a high constant energy to the hydraulic breaker.
- Heavy duty casing reduces noise and protects the hydraulic breaker from dust and foreign objects. From the V2500 upwards, the breaker case incorporates a cast bottom. This significantly increases resistance to wear compared to a traditional casing fabricated from steel.
- Protection against overflow and overpressure (patented).

## Options

- Pressurization kit for underwater work.
- "Tunnel" versions.
- Silent series version starting at V1800, optionally available for M700-M900-V1200-V32.



# Specifications

		700 700MS	900 900MS	V32 V32MS	V1200 V1200 MS	V1800	V45	V2500	V55	V3500	V4500	V65
<b>Carrier weight</b>	t	12-20	15-25	18-30	18-30	20-35	27-40	27-40	35-50	35-60	45-80	45-90
<b>Weight with top bracket and tool</b>	kg	989 1044	1120 1190	1450 1525	1739 1805	1884	2547	2571	3430	3500	4500	5589
<b>Diameter of the tool</b>	mm	112	118	122	122	140	150	160	170	175	190	202
<b>Working length of the tool</b>	mm	502	475	546	545	674	580	781	644	730	754	795
<b>Input power*</b>	kW	33	31	38	44	61	73	65	88	93	117	116
<b>Frequency</b>	blows/ min	880	800	400-1050	540-770	310-800	510-1160	350-800	440-1045	550-850	500-750	380-950
<b>Total length with tool, without top bracket</b>	mm	1977	2120	2290	2500	2558	2658	2853	2925	3090	3320	3510
<b>Oil flow</b>	l/min	80-140	100-150	120-170	120-170	140-220	180-265	175-250	240-320	250-320	280-380	380-420
<b>Working pressure of the breaker</b>	bar	140	125	135	155	165	165	155	165	175	185	165
<b>Acceptable back-pressure</b>	bar	16	10	6	12	25	6	25	6	15	15	6
<b>Working speeds</b>		1	1	15 auto	2 auto	2 auto	15 auto	2 auto	15 auto	2 auto	2 auto	15 auto
<b>Greasing station</b>		Option	Option	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
<b>Swivels</b>		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

\* Possible increase of the breaker's power by 50% thanks to the energy recovery system.





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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