

Atlas Copco

Medium hydraulic breakers



Genuine all-rounders -
dependable, powerful, versatile

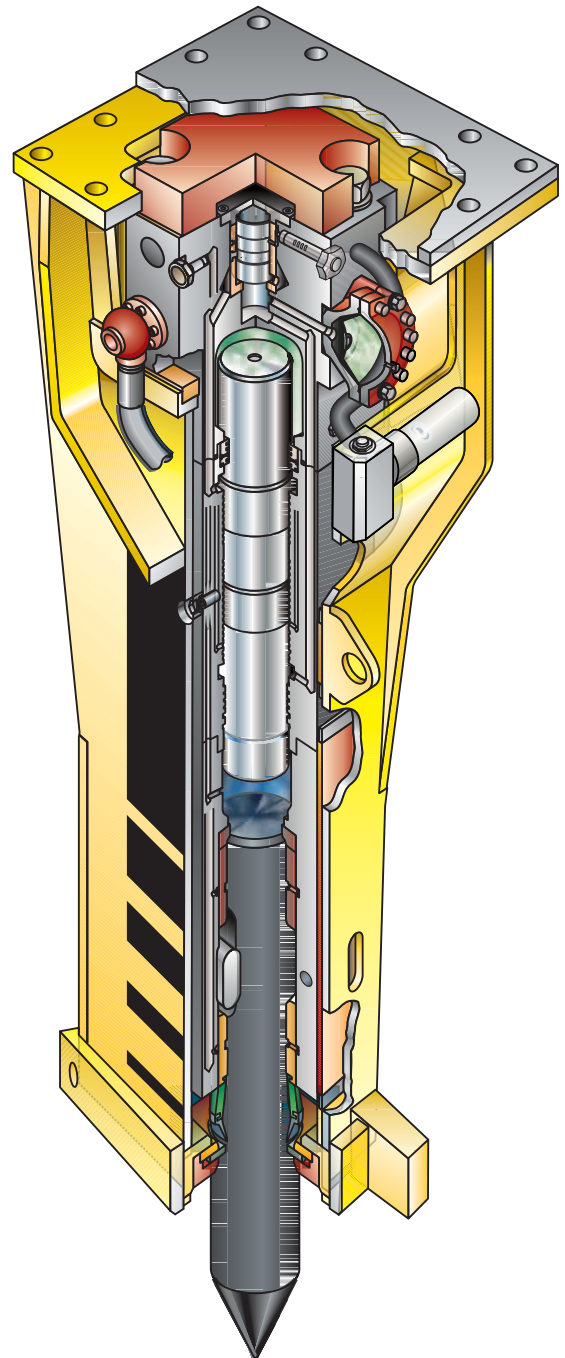
Atlas Copco

High tech for high profitability

Atlas Copco's range of medium-duty hydraulic breakers was developed with **KRUPP Percussion technology** for a wide variety of applications. The combined gas / oil power principle means they are both powerful and highly flexible with regard to oil flow rate and pressure. Their technically mature percussion mechanisms, e.g. with long piston stroke, reduce unavoidable vibrations far more efficiently than many other makes. Our Medium Breakers are ideal for road work, trenching, general demolition and primary and secondary rock breaking.

These medium-duty hydraulic breakers are also at home reducing demolition rubble for feeding to recycling plants, and in all other jobs which call for a robust design, reliability and long life.

Both their general versatility and their compatibility with a broad spectrum of carriers make these breakers genuine all-rounders.



Technology for tough jobs

Constant impact energy whatever the oil flow rate

The Medium Breakers are powered by a combination of oil and gas (nitrogen).

70% of the impact energy is generated by gas power, which means that the breakers are virtually independent of the hydraulic supply from the carrier.

Dependable and low on service thanks to simple design

There are only three moving parts :

- the percussion piston
- the control valve
- the pilot valve

Routine maintenance takes only a matter of minutes.

Robust and stable

The breakers in the medium-duty series have robust and stable guide systems to handle the jobs involved. Exposed areas are made from highly wear-resistant materials to minimize wear.

Less strain on man and machine

The long piston stroke and the vibration and noise-insulated mounting of the percussion mechanism mean that the Medium Breakers run very smoothly and quietly.

Type of application	MB 700	MB 1000	MB 1200	MB 1500	MB 1700
Secondary Breaking	✓	✓	✓	✓	✓
Demolition	✓	✓	✓	✓	✓
Foundation			✓	✓	
Trenching		✓	✓	✓	

AutoControl

Gentle on the environment, tough on rock

Maximum productivity through optimized impact energy

The Auto Control automatic stroke-switching system optimizes the ratio of impact energy to impact rate so as to maximize percussive performance at all times.

(Percussive performance = impact energy x impact rate).

Soft material : Lower impact energy, higher impact rate = max. percussive performance.

Hard material : Maximum impact energy, reduced impact rate = max. percussive performance.

Advantages of AutoControl

- avoids blank firing & reduces load the on carrier & breaker.
- it always starts the breaker in short-stroke mode, reduced energy permits reliable centering.
- it ensures maximum energy recovery from each blow and thus enhances output without increasing hydraulic input.
- it guarantees maximum efficiency and smooth running.

VibroSilenced

Effective noise and vibration damping

The VibroSilenced system is a highly effective arrangement of elastic damping elements which isolate the percussion mechanism acoustically from the external guide system. It is no coincidence that Atlas Copco breakers are among the quietest on the market.

Moreover, the VibroSilenced system prevents damaging vibrations which could otherwise be detrimental to both carrier and operator.

All Medium Breaker models are fitted with the VibroSilenced system as standard.

StartSelect

Perfect handling for perfect results

Perfect handling ensure maximum productivity

The "StartSelect" system allows the start-up and shut-off behavior of the breaker to be set in line with conditions.

"AutoStart" mode

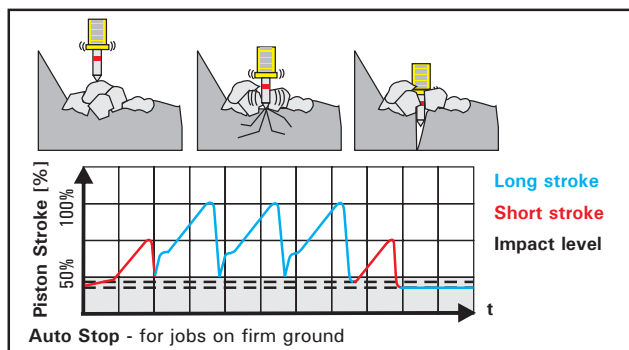
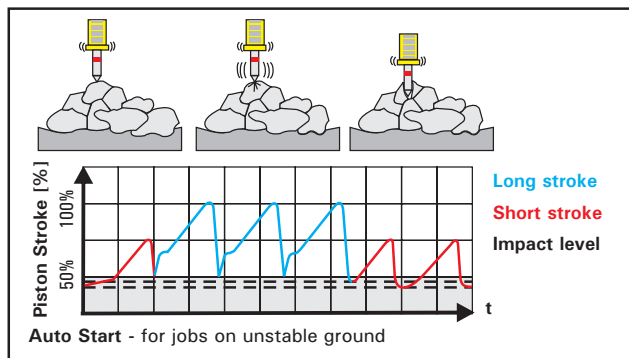
for jobs in unstable ground, such as :

- secondary reduction of mined rock
- working horizontally or overhead
- breaking light concrete structures

"AutoStop" mode

for jobs on firm ground, such as :

- trenching
- bench leveling in the quarry
- excavating foundations in rock
- breaking heavy concrete structures





ContiLube® II

Extras every breaker should have

Reliable lubrication - life insurance for any breaker

The ContiLube® II automatic lube unit ensure the optimum, cost-effective lubrication of the breaker. Mounted directly on the hydraulic breaker, the system is easy to set, use and monitor. The cartridges contain 500g of high-viscosity chisel paste.

Advantages of ContiLube®

- Compact self-priming pump.
- Positioned directly on the breaker.
- All ports are protected inside the breaker box.
- Cartridges can be changed quickly.

Technical Data

MB-hydraulic breakers		MB 700	MB 1000	MB 1200	MB 1500	MB 1700
Carrier weight Class ¹⁾	t	10-18	12-20	15-26	17-29	18-34
Service weight Class ²⁾	kg	750	1000	1200	1500	1700
Oil flow rate	l/min	80-120	85-130	100-140	120-155	130-160
Operating Pressure	bar	150-170	160-180	160-180	160-180	160-180
Impact rate	bpm	370-800	350-720	340-680	330-640	320-600
Stroke-length switching		-	Auto Control	Auto Control	Auto Control	Auto Control
Start-up mode		AutoStart	AutoStart	StartSelect	StartSelect	StartSelect
Working tool diameter	mm	100	110	120	135	140
Useful length of tool	mm	560	570	605	630	650
Contilube® II		Standard	Standard	Standard	Standard	Standard
DustProtector		Optional	Optional	Optional	Optional	Optional

Working Tools

Moil Point	Part No.	3363068705	3363084877	3363082787	3363098736	3363082235
Chisel	Part No.	3363068707	3363084887	3363082943	3363098734	3363082237

¹⁾Weights applied to standard carriers only. Any variances must be agreed with Atlas Copco and/ or the carrier manufacturer prior to attachment.

²⁾Breaker and breaker box with standard adapter plus working tool.

Subject to technical modifications

Atlas Copco Construction & Mining Sales (A Division of Atlas Copco (India) Ltd.)

Sveanagar, Dapodi, Pune 411 012.

Phone : (020) 39852100 Fax : (020) 39852070

Regional Customer Centers

BRANCH	ADDRESS	CODE	PHONE	FAX
Chennai	16, Race Course Road, Guindy, Chennai 600 032	044	32944556	22452047
Gurgaon	Unitech Cyber Park, Tower 'C', Sector 39, Off Jharsa Road, Sohna Road, Gurgaon 122 001	0124	3027921	3027924
Hyderabad	6-3-1191-1196, "Brij Tarang" Greenlands, Begumpet, Hyderabad 500 016	040	32934556	23417923
Kolkata	Trinity Plaza, 2nd Floor, West Wing, 84/ 1A Topsia Road (South), Kolkata 700 046	033	22851041	22851043
Mumbai	Mahatma Gandhi Memorial Building, Netaji Subhas Road, Mumbai 400 002	022	22814670	22819946
Nagpur	11, Poonam Chambers, 6th Floor, Block No.5, A Wing, Chindwara Road, Nagpur 440 013	0712	3258155	6617972
Ranchi	"Rohini", 4th Floor, 56 Circular Road, Lalpur, Ranchi 834 001	0651	2563840	2563688
Udaipur	207/ 208, Vinayak Business Center, Fatepur Pulam Road, Fatehpura, Udaipur 313 001	-	9352501557	-



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