

**HYDRAULIC BREAKER  
KUBOTA**

**KM55 KM105  
KM155 KM205  
KM305 KM455**



Mini excavator weight class (kg):

<b>KM55: 700 / 1100</b>	<b>KM205: 2500 / 6000</b>
<b>KM105: 1100 / 3000</b>	<b>KM305: 4500 / 9000</b>
<b>KM155: 1900 / 4500</b>	<b>KM455: 6500 / 13000</b>

# THE PERFECT COMBINATION

**Design to resist to all working conditions, the Kubota hydraulic breaker range has 6 models. They are perfect for indoor demolition and urban utility jobsites thanks to their weight/power ratio. They will bring you reliability and performance.**

## KUBOTA BREAKERS

The Kubota range works with low pressure and flow while keeping high performances.

The more the breaker requires pressure and flow, the more the fuel consumption will be (hydraulic pump working at the maximum). It will also lead to components wear.

## DID YOU KNOW?

The breaker model choice will depend on the weight of the mini excavator, the flow and pressure coming from the mini excavator and its lifting capacity. For a better efficiency, the breaker should normally be at the middle of the mini excavator weight class.

The KM155 can be mounted on mini excavators from 1.9T to 4.5T, the maximal efficiency will be obtained with a mini excavator at the middle of this weight class like the U27-4.

Towards the bottom of the weight class (mounted on the U20-3), the breaker will bring maximum performances but will increase stress on the mini excavator. Towards the top of the weight class (mounted on the KX037-4), it will be interesting for low usage, with a good price/quality ratio but a more important stress on the breaker.





## WORKING TOOL DIAMETER

Our breakers have the largest tool diameter. It's very important because the larger the tool, the larger the footprint will be, the performance will only be higher. It is a sign of a better efficiency between input hydraulic energy and output energy.



## IMPACT RATE

To overcome soft materials such as concrete or asphalt, the impact rate is crucial (blows per minute) whereas hard materials like granite that you can find mostly inside quarries needs impact energy. Our breakers with their very good weight/power ratio and their very high impact rate are therefore perfectly adapted to the urban environment of our mini excavators.

# NOTHING RESISTS THEM !

Thanks to their many advantages, Kubota breakers are attachments on which you can count on to carry out demolitions.

## DESIGN

The breakers of the KM series are solid body breakers, they do not have a casing which generates less vibration. There are also very few parts in movement, which will extend their life. Finally, their slender shape is perfect for use in trenches.

## HIGH PRESSURE ACCUMULATOR

High performances and avoid hydraulic overpressure.

## ENERGY RECOVERY

Increased operating efficiency and less vibrations will bring more performance and less fuel consumption for the mini excavator.

## DAMPENING CHAMBER AT PISTON

No pressure peak, it will reduce blank firing stress.





## **PRESSURE RELIEF VALVE**

Protection from pressure peaks.



## **DOUBLE RETAINER BARS (STARTING FROM KM 155)**

It provides better tool retention. The retainer bars are also reversible which allows an extended lifespan.



## **BUSHING**

It is 1 single part for better guidance of the tool, and easier maintenance. It also floats for easy changing.



## **DUST WIPER**

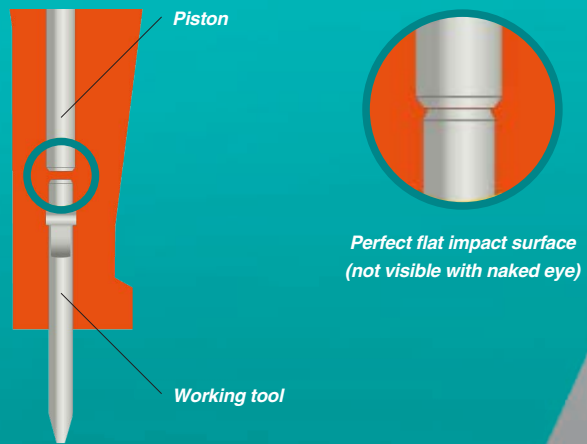
It minimize wear and avoid internal pollution.

# Service

**Maintaining performance is mandatory to keep your productivity. Choose Kubota spare parts to ensure it throughout the life of the breaker.**

## DESIGN

All working tools are manufactured to match Kubota breakers design, tolerances and performance. The unique designed impact surface of the working tool, is impeccably flat transferring the maximum energy transmission to the rock. In addition to this, if the impact surface is not perfectly flat, the energy will be unevenly distributed which may cause serious damage to the breaker.



## Types of tools

Tool type	Moil point	Chisel	Blunt tool
Shape			
Working principle			
Key properties	No torsion effect. Good penetration wedge effect in all directions (best in tools with small diameter)	Strong torsion effect. Good penetration, optimum wedge effect in two directions	Optimum energy transmission. No torsion effect, no penetration. No wedge effect
Use in concrete	Non reinforced concrete	Reinforced concrete	Steel rebar separation



## BIO CHISEL PASTE

This new product supplied with your breaker, is approved from the European commission for usage in environmental sensitive applications. The formulation is based on special synthetic esters that are easily biodegradable. Inside the hydraulic breakers, the ambient working temperature reaches up to 1100°C under extreme load. The standard greases available in the market are suitable for use in bearings but they liquefy and disappear at high temperatures.



## Technical data

		KM55	KM105	KM155	KM205	KM305	KM455
<b>Service weight</b>	kg	55	87	162	224	328	419
<b>Impact rate</b>	bpm	960 - 2160	720 - 2280	1000 - 1750	750 - 1400	700 - 1300	540 - 1260
<b>Oil pressure</b>	bar	100 - 150	100 - 150	100 - 150	100 - 150	100 - 150	100 - 150
<b>Oil flow</b>	ℓ/min	15~32	16~35	30~50	42~75	62~100	50~100
<b>Tool diameter</b>	mm	40	45	50	65	80	95
<b>Working length of working tool</b>	mm	420	450	510	600	800	840



**KM55**



**KM105**



**KM155**



**KM205**



**KM305**



**KM455**

## Mini excavator weight class

		KM55	KM105	KM155	KM205	KM305	KM455
<b>Mini excavator weight class</b>	t	0.7 - 1.1	1.1 - 3	1.9 - 4.5	2.5 - 6	4.5 - 9	6.5 - 13
<b>Mini excavator Kubota</b>		K008-5	U15-3N	U20-3α	KX030-4	U50-5	KX085-5
		U10-5	U17-3α	U27-4	KX037-4	U56-5	
			KX016-4	KX027-4	KX042-4α	KX060-5	
			KX019-4	KX030-4	U36-4	KX085-5	

★ All images shown are for brochure purposes only.  
When operating the mini excavator, wear clothing and equipment in accordance to local legal and safety regulations.



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