

**DOOSAN**

Construction Equipment

# Doosan Hydraulic Breaker HB series





# Doosan Hydraulic Breaker HB series

HB series Breaker is designed for mainly focusing on breaking job. Doosan's focus is to optimize impact power, enhance durability, satisfy customer convenience and maintain easily in order to be faithful to the original function of hydraulic breaker.

## *HB series*

- ✓ Excellent Performance
- ✓ Enhanced Durability
- ✓ Customer Convenience
- ✓ Easy Maintenance





# HB series

## 5 REASONS TO USE DOOSAN BREAKERS



**One-stop shop**  
One place for complete solutions :  
(Excavator + Breaker + Parts + Service)



**Engineering approved**  
Optimized for DOOSAN equipment high efficiency and performance, resulting in lower running and maintenance cost.



**Service**  
Broad coverage via the DOOSAN service network, fully supported by DOOSAN product specialists.



**Quality**  
Products manufactured to highest standards.



**Warranty**  
Avoid compatibility issues and operating differences from using Non-approved breaker.



## FEATURE & BENEFIT

### Through Bolt

The longest service life due to adoption of advanced heat treatment process

### Back-head

The energy of piston stroke is accumulated due to charged nitrogen gas

### Inward Valve System

Simple structure and less inner parts  
(\* HB03/04/06/08/15)

### Cylinder

Super stability quality using special steel for breaker

### Front Head

Support breaker and assembled with bushing, which buffers shock from the tool

### Urethane Dampper

Vibration dampening prevents carrier damage and improves operator comfort

### Outward Valve system

Easy to access for service and maintenance of Control Valve  
(\*HB20/30/40)

### Built-in Accumulator

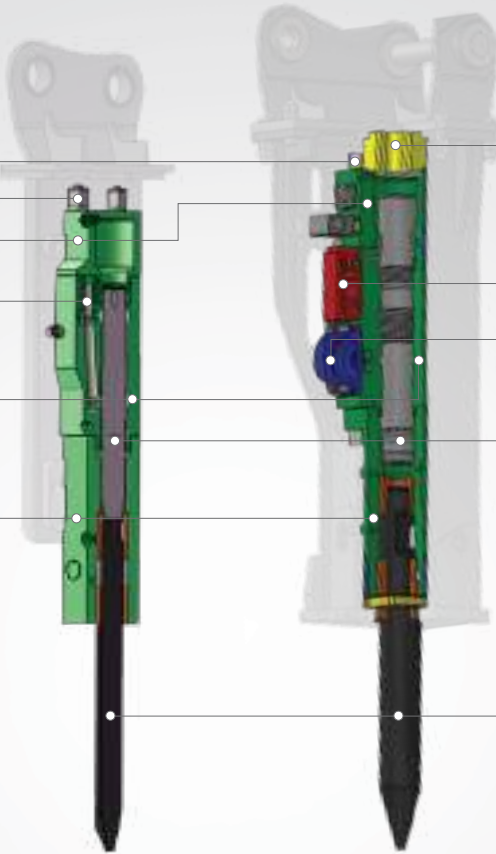
Enhancing equipment durability through this efficiency shock absorption system

### Piston

Quality and durability as a result of quality proven material in intensity, anti-wear, heat resistance, tenacity, anti-impact, internal pressure etc..

### Chisel

Doosan genuine working tool ensure the Doosan hyd. Breaker's performance and productivity



HB03 / HB04 / HB06 / HB08 / HB15

HB20 / HB30 / HB40

## SPECIFICATIONS



Model		HB03	HB04	HB06	HB08
Operating weight	Housing	130	155	361	451
	Top mount	95	158	343	410
	Side mount	95	158	263	335
Tool diameter	mm	45	53	68	75
Operating pressure	bar	90~120	90~120	110~140	120~150
Flow	l/min.	20~40	25~50	40~70	50~90
Frequency	bpm	700~1,200	600~1,100	500~900	400~800
Carrier weight	t	1~3	2.5~4.5	4~7	6~9

\* above specification can be changed for design and quality improvement without prior notice



HB15	HB20	HB30	HB40
1,007	1,693	2,263	2,796
866	1,862	2,498	3,160
761	1,669	2,340	2,840
100	135	150	160
150~170	170~210	180~220	190~230
80~110	130~150	150~190	190~250
350~700	400~800	350~650	300~600
10~15	18~25	28~35	35~42

# BREAKER OPTION

## BRACKET TYPE



**HOUSING**

recommended for professional contractors working in urban zones, where noise level must be controlled and/or where local regulation may require silenced breakers.

- Silenced design
- Less vibration due to urethane damper inside



**TOP MOUNT**

simplified design, offer easy access to the power cell for easy on-site maintenance.

- Simple design
- Easy on-site maintenance
- more reach than side mounting



**SIDE MOUNT**


similar characteristics as the Top Mount versions, the mounting on the arm of the excavator is made at an angle.

- Simple design
- Easy on-site maintenance
- Convenience to carry on with Excavator

## TOOL SELECTION


### USE THE RIGHT TOOL FOR THE RIGHT JOB

Breaker Tool (Chisel) is a wear part and tool consumption is the main causative for wear part costs. It's important to select an appropriate tool according to the nature of work and the characteristics of the object to break. Genuine Doosan tools are special designed to best fits the Doosan breakers.




**MOIL POINT**

Demolition  
Hard Ground  
Hard Ground with Failures  
Concrete




**PYRAMIDAL**

Trenching  
General Excavation  
Asphalt  
Mass Excavation in Quarry  
Soft Ground with Faults  
Concrete  
Reinforced Concrete



**WEDGE**

Trenching  
General Excavation  
Mass Excavation in Quarry  
Soft Ground with Faults  
Concrete  
Reinforced Concrete



**BLUNT**

Block Splitting  
Compact Abrasive  
Difficult to Position  
Concrete Slab on Demolition



**FORGING CHISEL**

Forging chisel provide longer life time

Trenching  
Mass Excavation  
Quarry



### AUTO GREASING

#### AUTO GREASING SYSTEM

- \* Continuous lubricating system increase life-time of Chisel and Bushings
- \* Economical Re-chargeable Grease cartridge reduce its maintenance cost
- \* Auto greasing system can be applied for HB20/30/40 only



## OTHER ATTACHMENTS

**EARTH MOVING ATTACHMENTS \_ BUCKETS**

■ High strength steel ■ High abrasion resistant steel ■ 500BHN, High abrasion resistant steel



**GP**

General Purpose Buckets Is designed for digging and re-handling soft to medium materials with low wear characteristics such as top-soil, loam, coal etc.

- Flat Bottom
- Bolt on Side Cutter



**H class**

Heavy Duty bucket, is the most common bucket in the onstruction site and is designed mainly for use in heavy construction but also used in low density mining and quarry application.

- Bolt-on Side Cutter



**S class**

Severe duty bucket designed for use in high density mining and quarry application using high strength and high abrasion resistance materials. It can be used in the toughest of applications.

- Bolt on Dual Shroud



**X class**

Special reinforced design with wear patches based on S class bucket.

- Added more patches for increasing its durability and strength
- Overlapping plate for protecting Lip plate
- Wear pad and bottom section
- Bolt on Dual Shroud
- Applied Wear Protect Patches

**DEMOLITION ATTACHMENTS**



**FIXED PULVERIZER**

Designed for both primary demolition work and secondary concrete reduction. For secondary demolition, it is ideal for breaking out concrete from fixed structure, pulverizing concrete, separating different materials for recycling, and cutting reinforced rods and small steel profile.



**ROTATING CRUSHER**

Designed for both primary demolition work and secondary concrete reduction. Especially for secondary demolition, it is ideal for breaking out concrete from fixed structure, pulverizing concrete, separating different materials for recycling, cutting reinforced rods and small steel profile, and working with high reach boom.



**MULTI-PROCESSOR**

Designed for all demolition sites by inter-changing jaw sets mounted on a single base unit.

- Crushing Jaw set
- Demolition Jaw set
- Pulverizing Jaw set
- Shear Jaw set



**STEEL SHEAR**

Designed for cutting general and heavy duty steels such as section bars, pipes, and steel structures.

**MATERIAL HANDLING ATTACHMENTS**



**MULTI-GRAPPLE**

Designed for selective demolition, sorting of recyclable material and loading of various materials.



**STONE GRAPPLE**

Designed for transporting or loading stone, scarp, garbage, demolition debris and waste paper in forestry, recycling, landscaping and general construction sites.



**LOG GRAPPLE**

Designed for sorting, loading, unloading and laying timber, log and wood with Doosan Log loader in forestry.



**ORANGE GRAPPLE**

Designed for handling scrap iron and waste.



**CLAMSHELL BUCKET**

Designed for handling industrial waste, rock, sand, grain, or cereal.

**EARTH MOVING ATTACHMENTS \_ OTHERS**



**PLATE COMPACTOR**

Designed for soil compaction in trenches, foundations, or slope applications. Its heavy-duty design offers a variety of application such as piling, compacting and etc..



**RIPPER**

Offer powerful ripping capabilities in hard and compact materials such as compact soil, rock, ice, caliche, tarmac, paved areas.



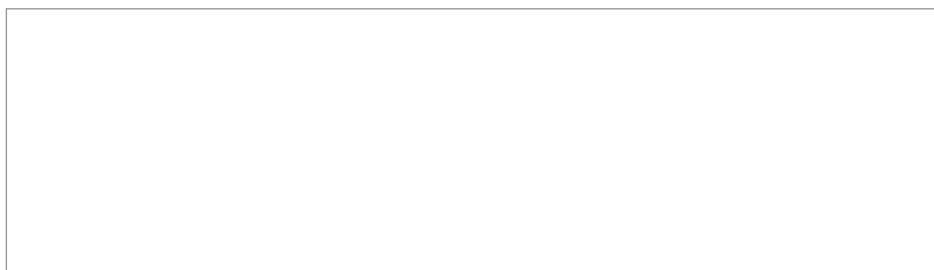
**HYDRAULIC QUICK COUPLER**

Allow you to increase the versatility of your excavators. new QC series quick coupler will help you gain in productivity and efficiency with increased safety.





**SOLUTION PROVIDER  
SPECIAL APPLICATION &  
ATTACHMENTS**



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