

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

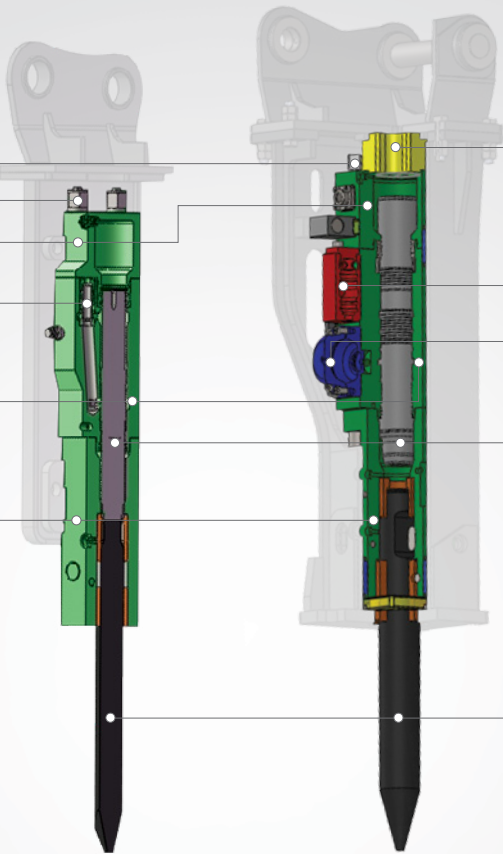
Enhancing equipment durability through this efficiency shock absorption system

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	kg	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



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

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

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..



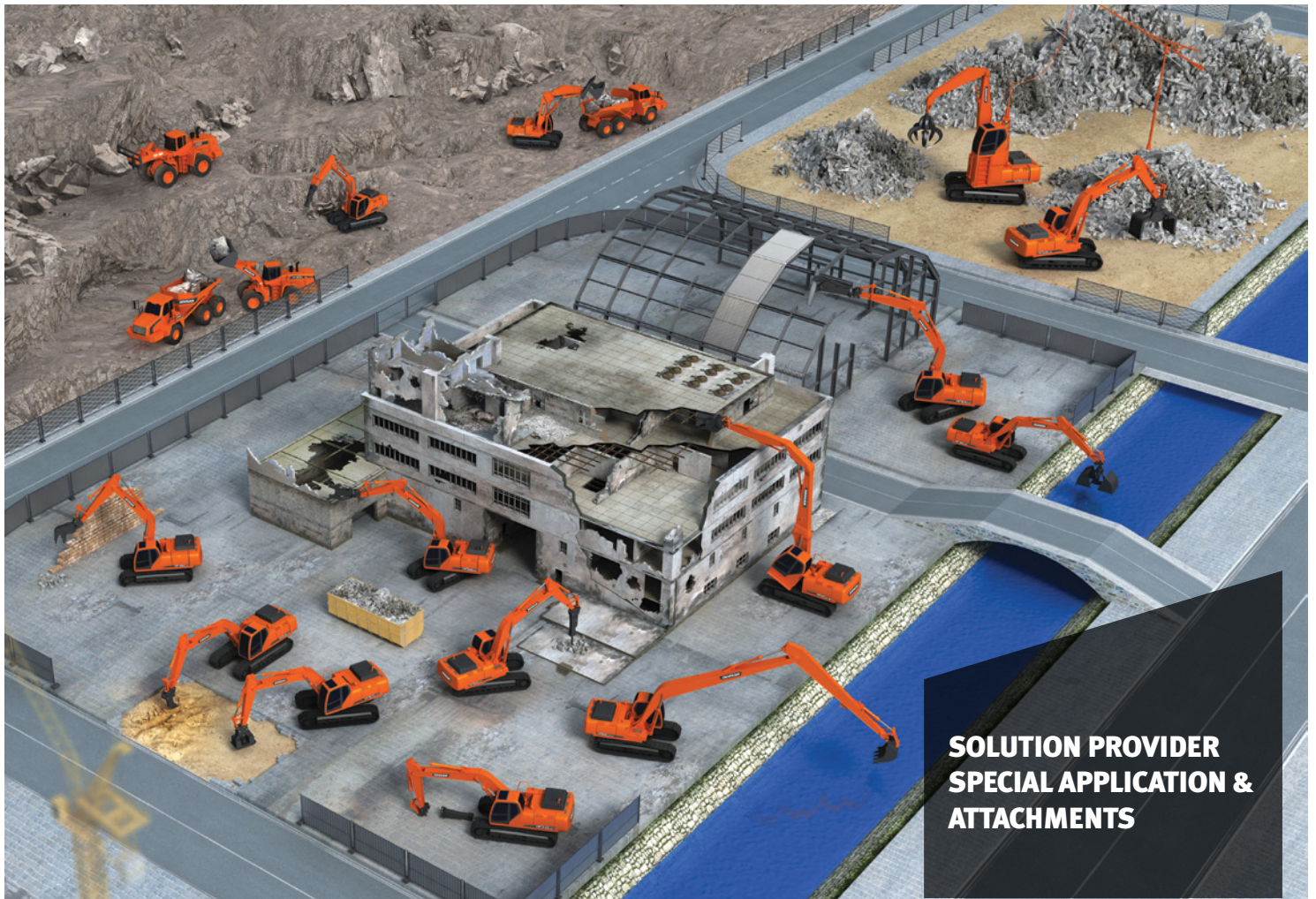
RIPPER

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

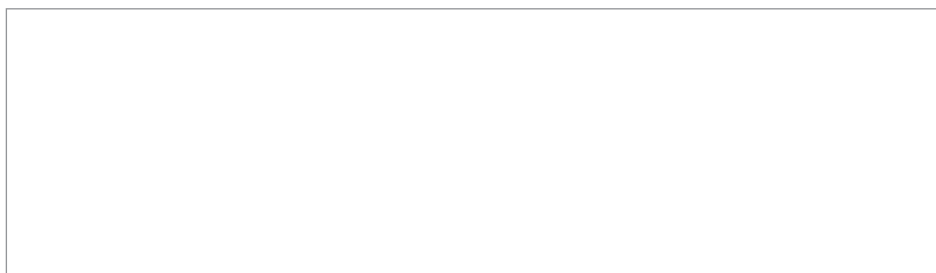


HYDRAULIC QUICK COUPLER

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**



Doosan Infracore Korea Office (HQ)
27F, Doosan Tower, 275, Jangchungdan-ro,
Jung-gu, Seoul, Korea(04563)
Tel : 82 2 3398 8114

www.doosaninfracore.com/ce/