



ISO  
9001  
QUALITY  
ASSURANCE



TUV NORD



## Vibro technology attachments



- World PCT: No. KR2007/004\*\*\*
- Europe : No. 07 808 2\*\*\*
- United States : No. 121673\*\*\*
- Japan : No.11-262\*\*\*

The First  
in the World

**Original  
Innovative  
BR series**

Powerful  
Performance

Proven Quality &  
Reliability by Korea  
Institute of Machinery  
& Materials

Workable in  
extreme weather  
conditions  
(-40°C to 60°C)



## Vibro technology attachments

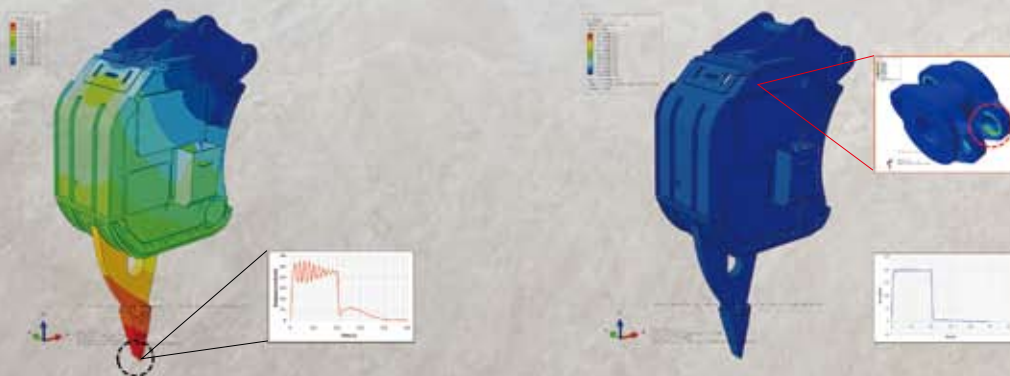


### Original Innovative & Reliable MaxBrio Ripper series

- Eco friendly and noiseless equipment (80dB)
- Protecting the excavators from vibration shock by our patent cushion elastomers
- Workable in extreme weather condition (-40°C to 60°C) and under water condition
- The best innovative technology, the most powerful vibration (2500vpm)
- Innovatively designed tooth, pin & cushion elastomer improve durability
- Increased life time for the equipment by applying the Hardox material
- Easy installation to connect the one way piping line in excavator (breaker line)



### CAE Simulation Evaluation [FEM Results]





BR15



BR25 / BR25H



BR35 / BR35H



## Productivity : Daedong Maxbrio ripper Vs. breaker



※ Productivity could be changeable according to construction condition and this chart for reference purpose only.

Maxbrio Ripper covers around 80% of construction sites using rock breaker.

More than 75% of those fields can achieve more productivity than rock breaker by 2~5 times.



BR45



BR55



BR65



## Maxbrio Ripper BR Series

**Daedong Engineering**, the world pioneer of vibration technology, is specialized in manufacturing the vibration attachments with development of new technology to be mounted on the excavators since 1997.

**In 2004 The Vibro Ripper** was invented and has been proved a revolutionary attachment in breaking, demolition and ripping by lower cost with noiseless high frequency vibration while the working time gets shorter.

**The Vibro Ripper** is developed by DAEDONG ENGINEERING first in the world, with Patent Cooperation Treaty (PCT KR2007/004\*\*\*) for high frequency vibration technology, which saves working cost more than 30% and makes productivity twice to quintuple better compared with any other hydraulic breakers.

**Maxbrio Ripper** which is our new concept can be efficiently applicable and has strong points at the construction site such as needing foundation works, breaking rocks at the mine & quarry and muddy & wet places in the center of the city, downtown and residential area where can occur noise complaints.

2004



2004 KOREA



2005 CZECH REPUBLIC

2006



2006 MALAYSIA



2007 ALGERIA



2008 DUBAI

## Application

- Noise restriction area
- Residential area & construction site
- Cracked rock and layered rock
- Open fit mining area and tunneling
- Foundations and wet places



2009 TURKEY



2010 JAPAN

2011



2011 MEXICO



2011 BRAZIL

2012



2012 ENGLAND



2012 INDIA



2012 SPAIN

## Origin of Maxbrio ripper

Maxbrio was supported by Korean government's R&D funding of U\$ 3.2 million from 2012 to 2014. During those 3 years, Maxbrio has been critically inspected for reliable durability with collaboration from Korea Institute of Machinery & Materials in Korea

Availability in the temperature from  $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  as well as under the water had been tested enough, which acquired certificate of KIMM to Maxbrio ripper



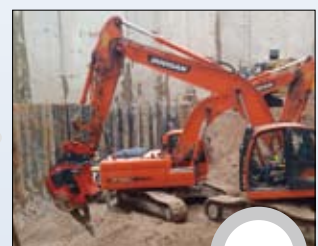
2013 AUSTRALIA



2013 RUSSIA



2014 CHINA

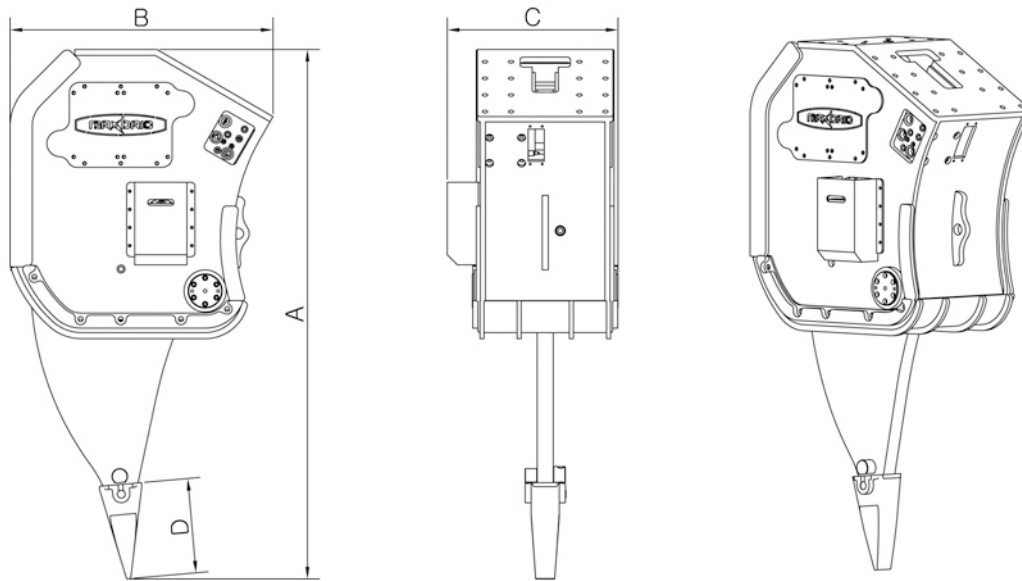


2015 HONGKONG

2015



## Technical Specification



Model	Units	BR15	BR25H	BR25	BR35H	BR35	BR45	BR55	BR65	
Applicable Excavator	ton	12~17	18~27	21~27	28~35		36~42	43~55	56~65	
Frequency	Vpm	1700	2500	1700	2500	1700	1700	1700	1700	
Setting Pressure	kg/cm <sup>2</sup>	250	260	250	260	250	250	250	250	
	psi	3556	3556	3556	3698	3556	3556	3556	3556	
Oil Flow	l/min	100~120	150~170	120~140	180~200	180~200	260~280	290~310	320~350	
	gpm	26.4~31.7	39.6~45	31.7~37	47.5~52.8	47.5~52.8	68.7~74	76.6~81.8	84.5~92.5	
Air Pressure	Bar	4	4	3	4	4	3	3	3	
Dimension	Height (A)	in	70	91	97	96	104	115	119	134
		mm	1770	2316	2468	2448	2630	2912	3018	3416
	Length (B)	in	41	43	48	45	52	57	59	64
		mm	1030	1095	1208	1152	1310	1440	1486	1617
	Width (C)	in	30	32	32	32	34	36	37	41
		mm	760	806	806	825	855	913	928	1033
Tooth (D)	in	10	19	19	19	19	19	23	23	
	mm	265	470	470	470	470	470	575	575	
Main Body Weight	lb	2866	4189	4938	5423	6526	8289	9612	12254	
	kg	1300	1900	2240	2460	2960	3760	4360	5570	

► The above specifications are subject to change without prior notice for the quality enhancement.



**SERHIDRA S.A.S**  
Minería y Construcción

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