MAXBRIO
RIPPER SERIES

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℃ to 60℃)

www.maxbrio.kr
www.dd-eng.com

Daedong Engineering Co., Ltd.

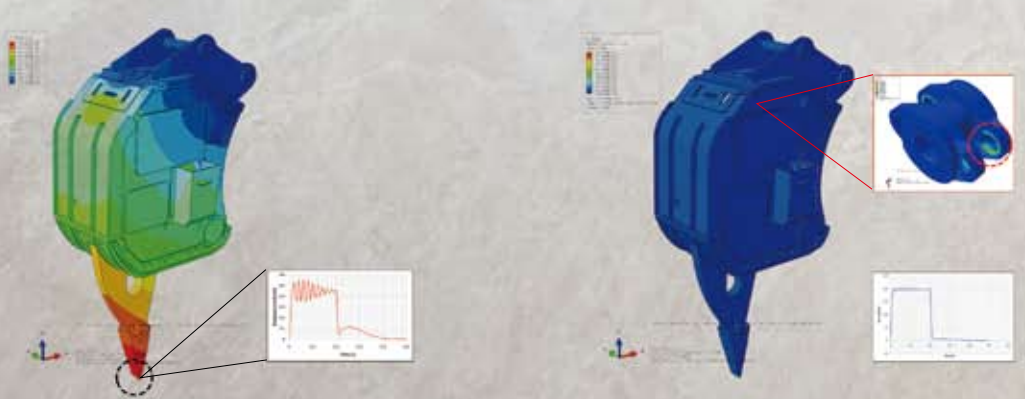
MAXBRIO
RIPPER SERIES

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℃ to 60℃) 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.

Application

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

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℃ to 60℃ as well as under the water had been tested enough, which acquired certificate of KIMM to Maxbrio ripper

2004

2004 KOREA

2005 CZECH REPUBLIC

2006

2006 MALAYSIA

2007 ALGERIA

2008 DUBAI

2009 TURKEY

2010 JAPAN

2011

2011 MEXICO

2011 BRAZIL

2012

2012 ENGLAND

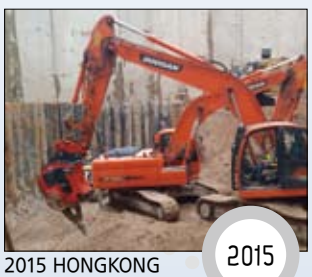
2012 INDIA

2012 SPAIN

2013 AUSTRALIA

2013 RUSSIA

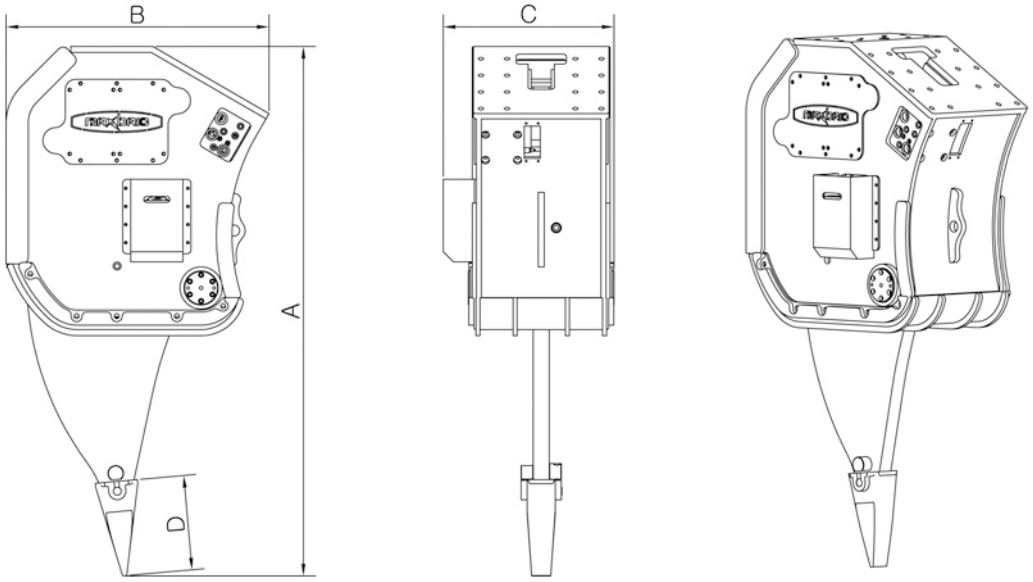
2014 CHINA



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/cm²	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.

Daedong Engineering Co., Ltd.

Head Office
358-39, Hosoo-ro, Ilsandong-gu, Goyang-city, Gyeonggi-do, KOREA
Tel. +82-31-906-7896 Fax. +82-31-906-7822
E-mail : info@dd-eng.com, daedongeng@dd-eng.com

Factory
9, 361 Beon-gil, Geomsan-ro, Paju-city, Gyeonggi-do, KOREA
Tel. +82-31-942-2330 Fax. +82-31-949-2369

Distributed by Apr. 2015