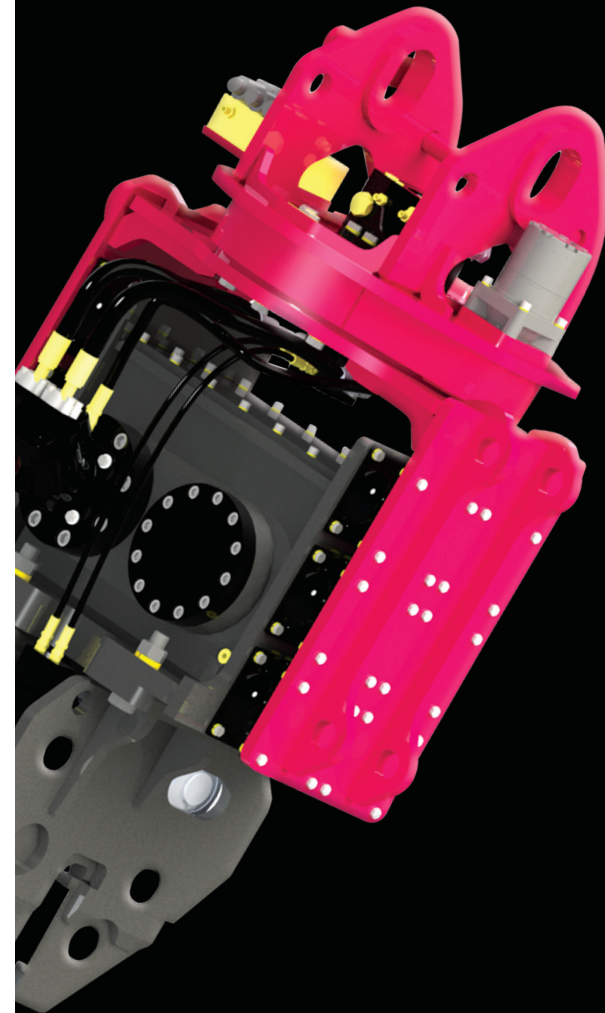




Your Distributor :



**Production Area**

**1-Factory**

818-6, Dohwa-dong, Nam-gu, Incheon, Korea

**2-Factory**

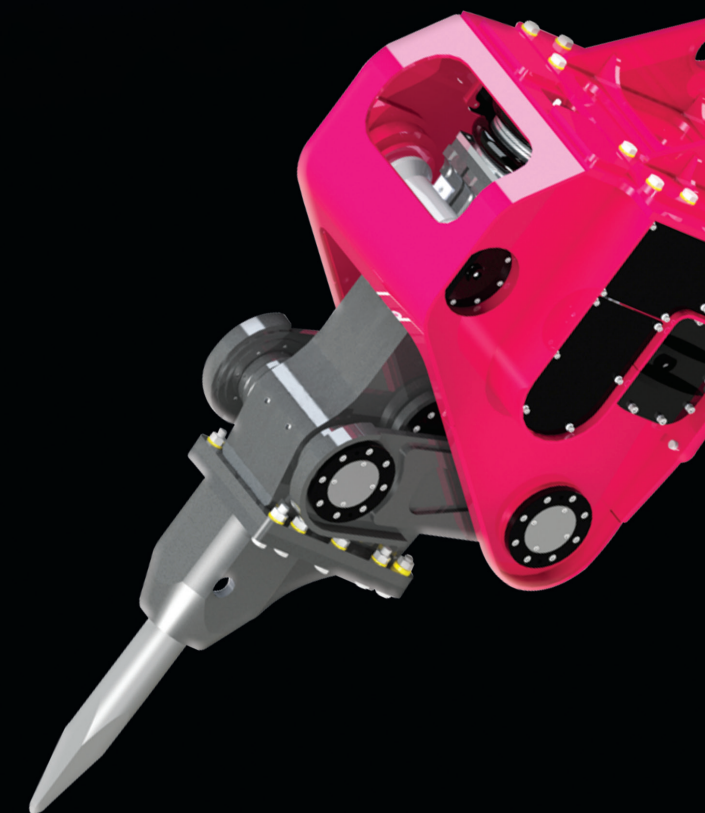
693-5, Gyeongseo-dong, Seo-gu, Incheon, Korea

**Tel** 82-32-864-7015

**Fax** 82-32-864-7016

**E-mail** [khkim@bullsnc.com](mailto:khkim@bullsnc.com)

[www.bullsnc.com](http://www.bullsnc.com)





## COMPANY INTRODUCTION



S&C is a group specializing in the production of front actuators for construction equipment and has been a successful strategic partner with Doosan since 2000. Our well-developed and widely known technical know-how attracted OEM product contract with one of the Japanese leading companies, OKADA, for construction machine attachments in 2010. Its OEM experience opened new prospects for our own brand attachment business.

## HISTORY

- 2000** Company foundation as a subcontractor of DOOSAN
- 2006** Plant Completion in (1-Factory):  
Production of DOOSAN excavator center frame and boom  
ISO 9001 certification
- 2008** Production of DOOSAN excavator arm
- 2010** Start of OEM production of the attachments from OKADA in Japan
- 2011** Plant Completion in (2-Factory):  
Production of attachments and industrial machineries
- 2013** Establishment of attachments team with own brand name "Bullstern"  
First tests and pilot production of vibro ripper and pile driver
- 2014** CE certification of vibro ripper, pile driver and shears  
Serial Production of vibro ripper, pile driver and shears
- 2015** Export shipments started





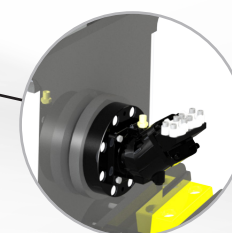
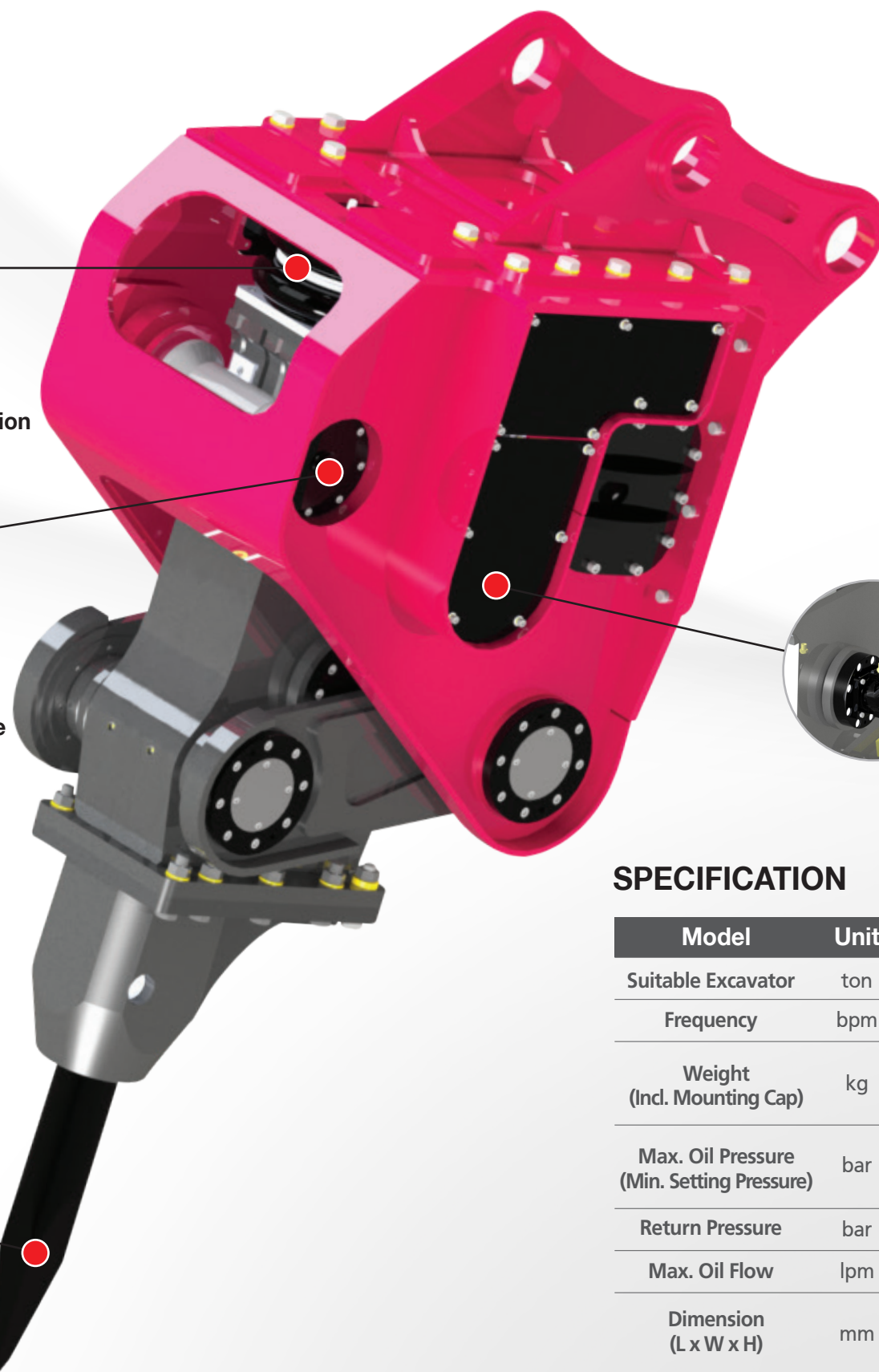
**Double Air Cushion**  
Effectively minimize machine vibration



**Bearing**  
Customized design completely resistible under high vibration force



**Chisel**  
Registered front tip design which is able to keep it sharp for long time use



**Motor**  
Piston motor with high efficiency

## Bullstern Ripper Benefits

1

3 TO 5 TIMES HIGHER PRODUCTION

2

MINIMUM NOISE LEVELS

3

MINIMUM MAINTENANCE

4

LESS FUEL CONSUMPTION PER PRODUCED M3 / TON

5

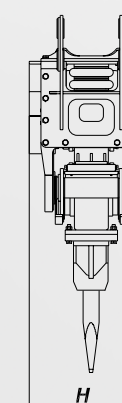
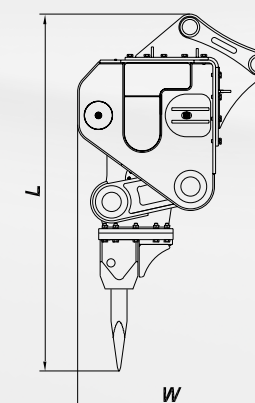
MARINE / UNDERWATER OPERATION

# VIBRO RIPPER V-Series

## SPECIFICATION

Model	Unit	V250	V300	V400
Suitable Excavator	ton	18~26	25~35	34~45
Frequency	bpm	2800~3500	2500~3500	2000~2700
Weight (Incl. Mounting Cap)	kg	2900	3900	4900
Max. Oil Pressure (Min. Setting Pressure)	bar	350 (300)	350 (300)	350 (300)
Return Pressure	bar	6	6	6
Max. Oil Flow	lpm	200	240	260
Dimension (L x W x H)	mm	2720 x 1370 x 880	3000 x 1555 x 945	3365 x 1682 x 1033
Tool Diameter	mm	130	140	150

Above specifications are subject to change without prior notice for performance enhancement.



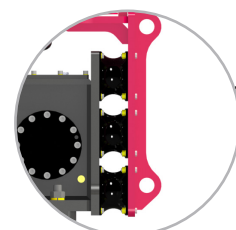
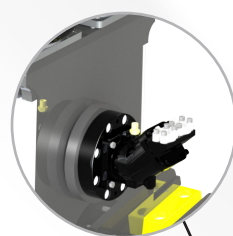


# VIBRO HAMMER W-Series



## Motor

Piston motor with high efficiency

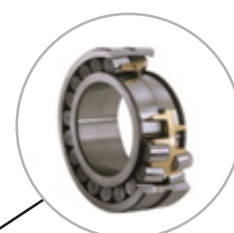
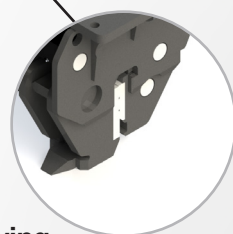


## Vibration-Proof Rubber

Improve durability with vibro-isolating rubber

## Jaw

Tight clamping and easy moving



## Bearing

Customized design completely resistible under high vibration force

## Bullstern Hammer Benefits

1

WIDE RANGE OF CONTRUCTION AREAS

2

ROTATING MOUNTING BRACKET

3

QUICK HYDRAULIC INSTALLATION

4

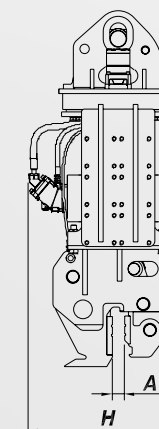
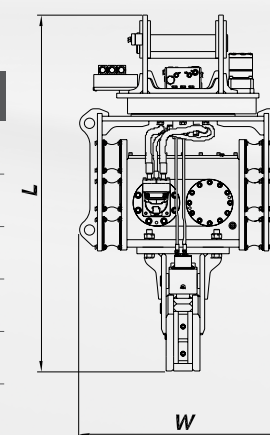
INTUITIVE DESIGN

5

OPTIONAL EXTENSION BOOM

## SPECIFICATION

Model	Unit	W250	W300	W400
Suitable Excavator	ton	18~26	25~35	34~45
Frequency	bpm	2800~3500	2500~3500	2000~2700
Eccentric Moment	nm/in lbs	66/584	80/708	100/885
Centrifugal Force	kn	450	500	550
Amplitude	mm	12	14	16
Max. Oil Pressure (Min. Setting Pressure)	bar	350 (300)	350 (300)	350 (300)
Max. Oi Flow	lpm	200	240	260
Slewing	degree	360	360	360
Weight	kg	1550	1850	2100
Ext. Boom Weight (Incl. Mounting Cap)	kg	580	700	870
Clamp Width(A)	mm	65	65	65
Dimension (L x W x H)	mm	1840 x 1040 x 750	1900 x 1100 x 790	1920 x 1190 x 840



Above specifications are subject to change without prior notice for performance enhancement.



# SHEARS

## C-Series



**Jaw**  
Tight clamping and easy moving

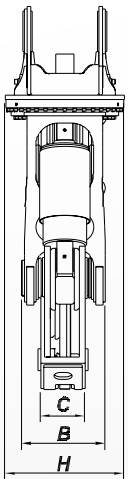
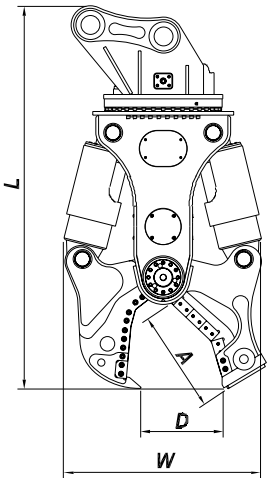
**Gap Adjuster(Patented)**  
Quick and easy adjusting even very fine gap

**Speed-up Valve**  
Control the limit of oil temperature rise

### SPECIFICATION

Model	Unit	C250	C300
Suitable Excavator	ton	18~28	25~45
Weight (Incl. Mounting Cap)	kg	1920	2980
Max. Centrifugal Force	ton	320	500
Mid. Centrifugal Force	ton	150	210
Min. Centrifugal Force	ton	85	105
Max. Oil Flow	lpm	240	260
Max. Oil Pressure	Bar	350	350
Dimension L x W x H	mm	2390 x 1090 x 820	2775 x 1350 x 820
Dimension A	mm	565	675
Dimension B x C	mm	470 x 290	555 x 305
Dimension D	mm	515	570
●	mm	60	65
I-beam	mm	330	360
H-beam	mm	240	260
■	mm	15	20

Above specifications are subject to change without prior notice for performance enhancement.



### Bullstern Shears Benefits

- 1 | WORLD'S FIRST HYDRUALIC GAP ADJUSTER (PATENTED)
- 2 | INCREASE WORKING SPEED WITH SPEED-UP VALVE
- 3 | UNIQUE CUTTER ARRAY FOR ENHANCING CUTTING FORCE
- 4 | EASY DETACHABLE COVER FOR MAINTENANCE
- 5 | 360-DEGREE ROTATION



## INSTALLATION & TECHNICAL SERVICE



*Bullstern Attachment team offers an installation and technical service to equipment distributors and customers. Some of the training is held on-site at the manufacturing plant in Incheon, Korea.*

### **Technical service training offered :**

- On-site basic maintenance training
- On-site equipment evaluation
- Factory tours

## EQUIPMENT & TECHNOLOGIES



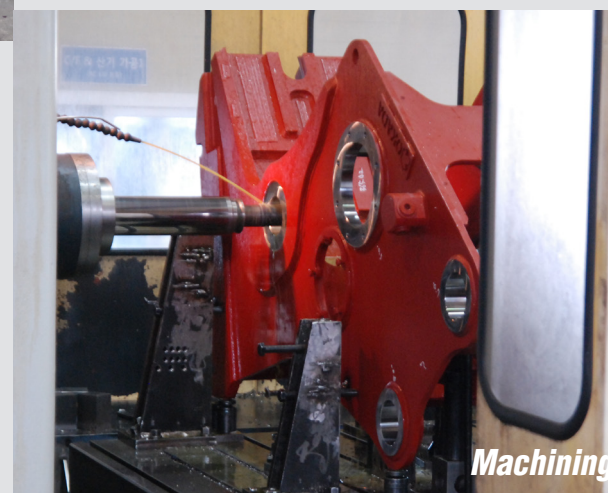
*Cutting(Plazma)*



*Polishing*



*Welding*



*Machining*



*Assembly*