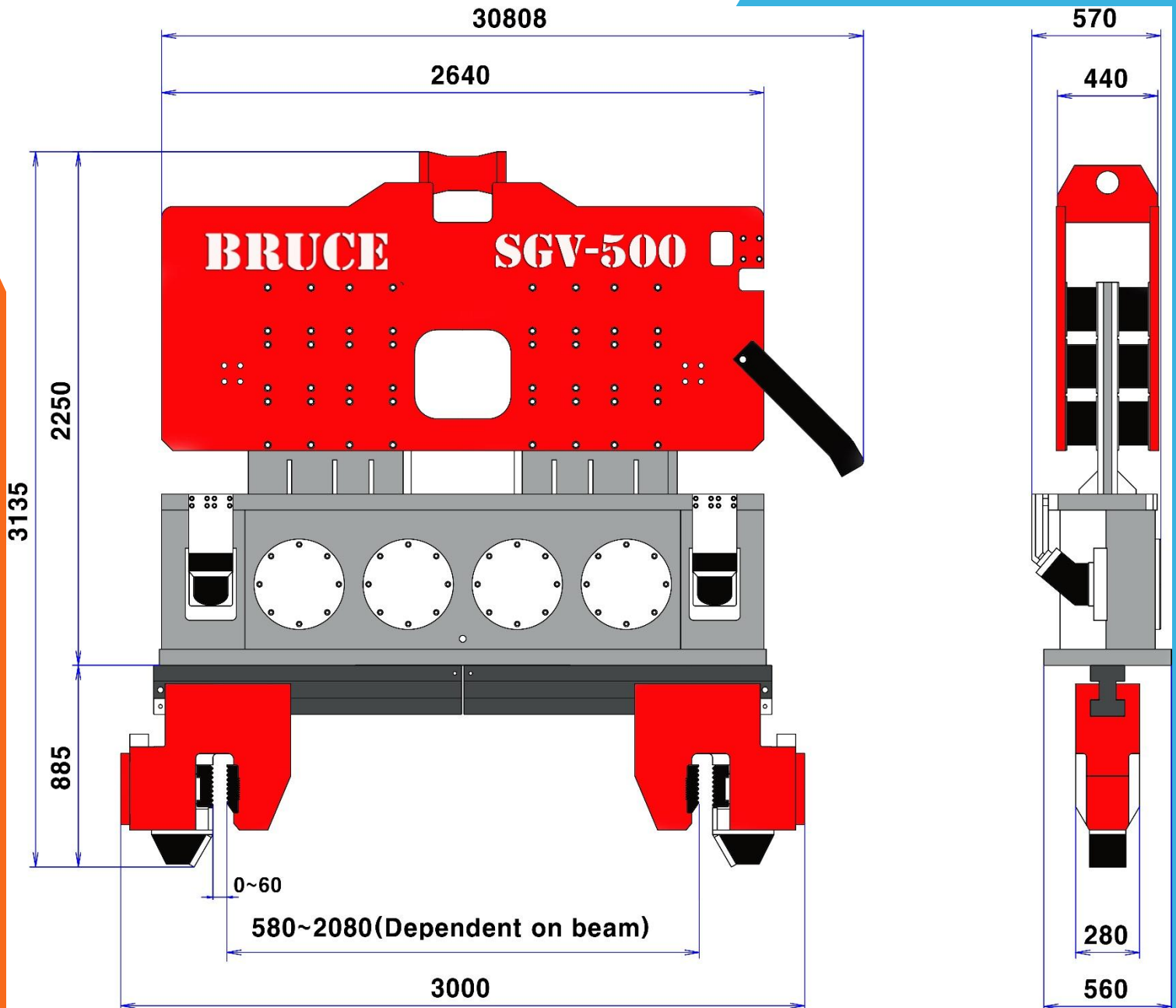


## BRUCE VIBRO HAMMER

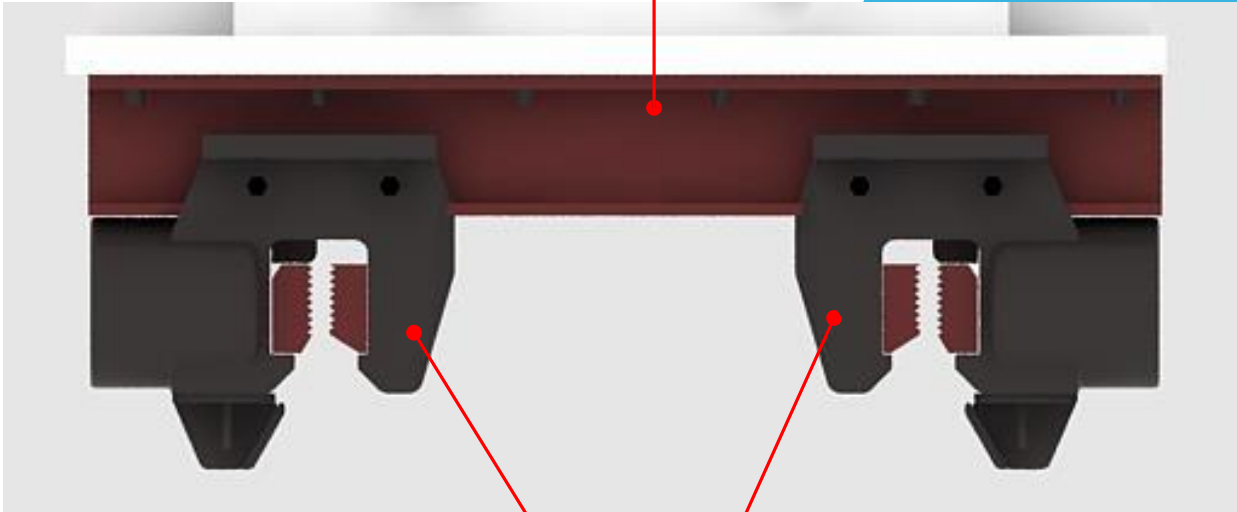
MODEL : BRUCE SGV-500 DOUBLE CLAMP

Dimension : Metric

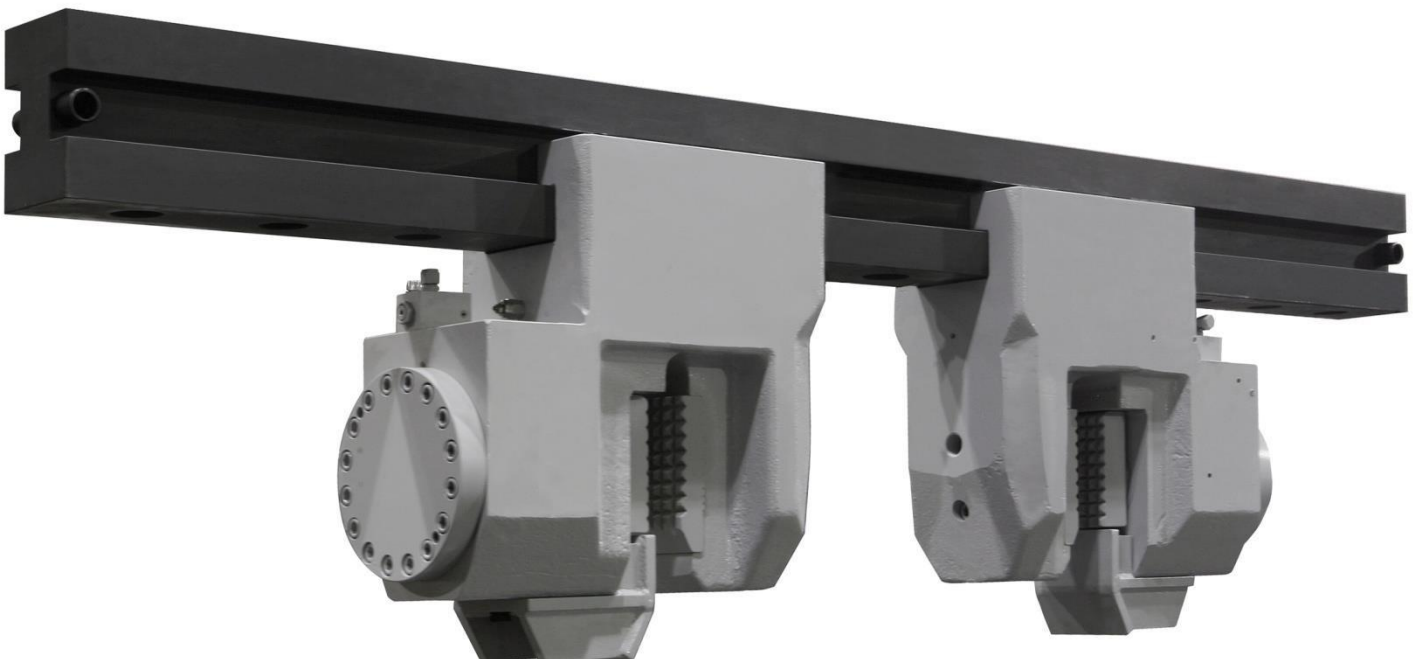


**BRUCE VIBRO HAMMER FOR CASING PILE**  
**MODEL : CAISSON BEAM & CASING PILE CLAMP**

CAISSON BEAM



CASING PILE CLAMP, 2 X 120D

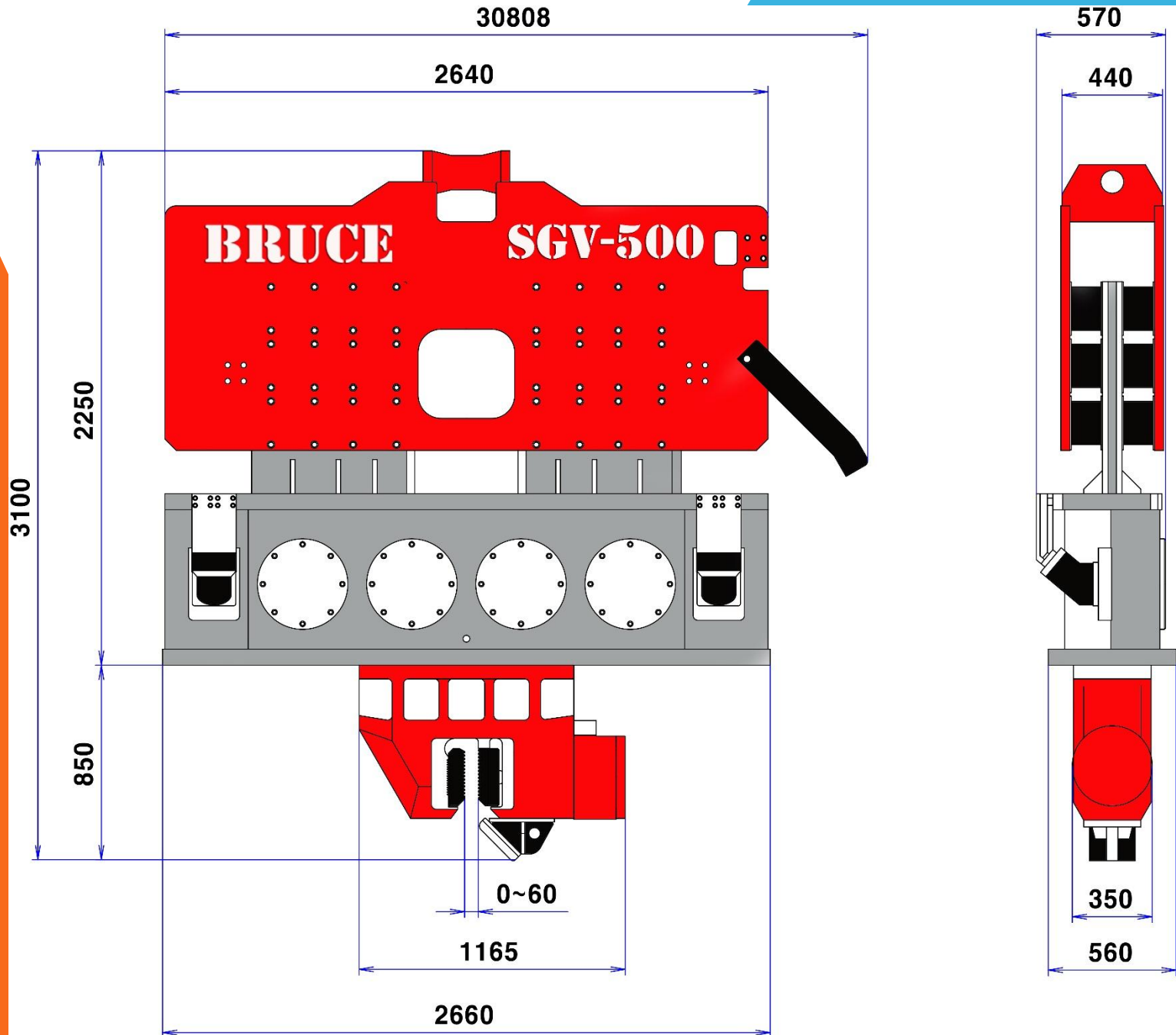


## SPECIFICATION

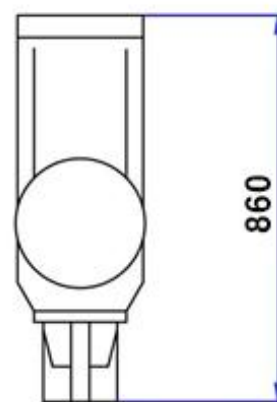
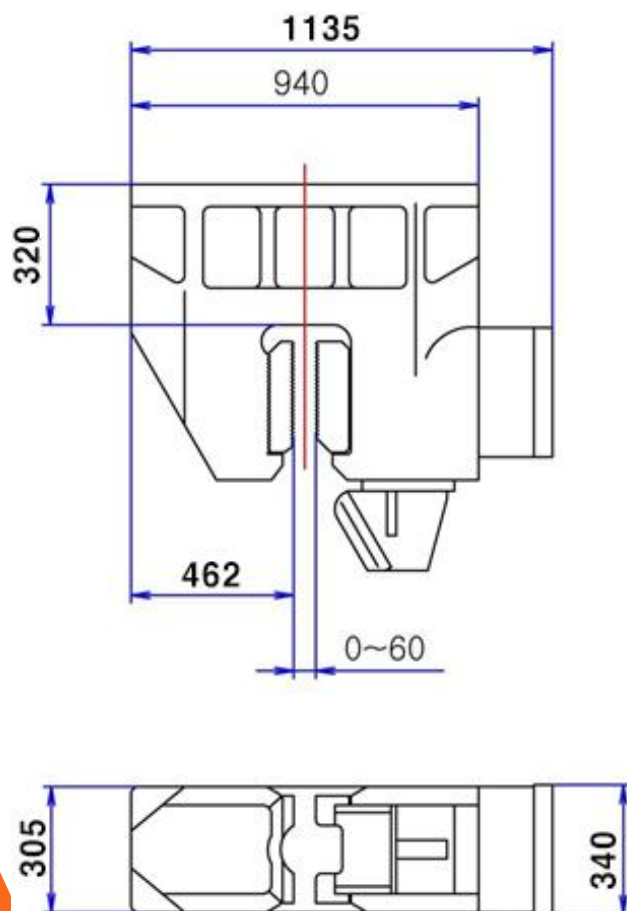
| VIBRO HAMMER SERIES                                                |                   | BRUCE SGV-500                 |
|--------------------------------------------------------------------|-------------------|-------------------------------|
| < OPERATING DATA >                                                 |                   |                               |
| Eccentric moment                                                   | (in-lbs / kg-m)   | 5,121 / 59                    |
| Max. frequency                                                     | (vpm)             | 1,730                         |
| Centrifugal force                                                  | (tons / kN)       | 198 / 1,944                   |
| Amplitude (free hanging) including clamp 180U                      | (in / mm)         | 0.83 / 21                     |
| Max. line pull for extraction                                      | (tons / kN)       | 90 / 883                      |
| Max. hydraulic power                                               | (HP / kW)         | 427 / 318                     |
| Max. operating pressure                                            | (psi / bar)       | 4,641 / 320                   |
| Max. oil flow                                                      | (gpm / lpm)       | 159 / 600                     |
| < DIMENSIONS >                                                     |                   |                               |
| Overall length with hose cover                                     | (in / mm)         | 121.3 / 3,080                 |
| Overall width                                                      | (in / mm)         | 22.4 / 570                    |
| Overall height with sheet pile clamp 180U                          | (in / mm)         | 122 / 3,100                   |
| Overall height with double clamp 2X120D                            | (in / mm)         | 123.4 / 3,135                 |
| < CLAMPS >                                                         |                   |                               |
| Sheet pile clamp 180U                                              | Clamping force    | (tons / kN) 180 / 1,800       |
|                                                                    | Weight            | (lbs / kg) 2,646 / 1,200      |
| Double clamp 2x120D<br>For casing pile                             | Clamping force    | (tons / kN) 240 / 2,400       |
|                                                                    | Weight incl. beam | (lbs / kg) 5,468 / 2,480      |
|                                                                    | Casing pile range | (mm) range dia. 580 ~ 2,000mm |
| Note *1. The larger beam is available for lager casing pile clamp. |                   |                               |
| < WEIGHT >                                                         |                   |                               |
| Total weight with sheet pile clamp 180U                            | (lbs / kg)        | 16,755 / 7,600                |
| Total weight with double clamp 2X120D                              | (lbs / kg)        | 19,577 / 8,800                |
| Suitable Pack Series                                               |                   | PQ-600V                       |

## BRUCE VIBRO HAMMER

MODEL : BRUCE SGV-450 SHEET PILE CLAMP



## BRUCE VIBRO CLAMP MODEL : 180U



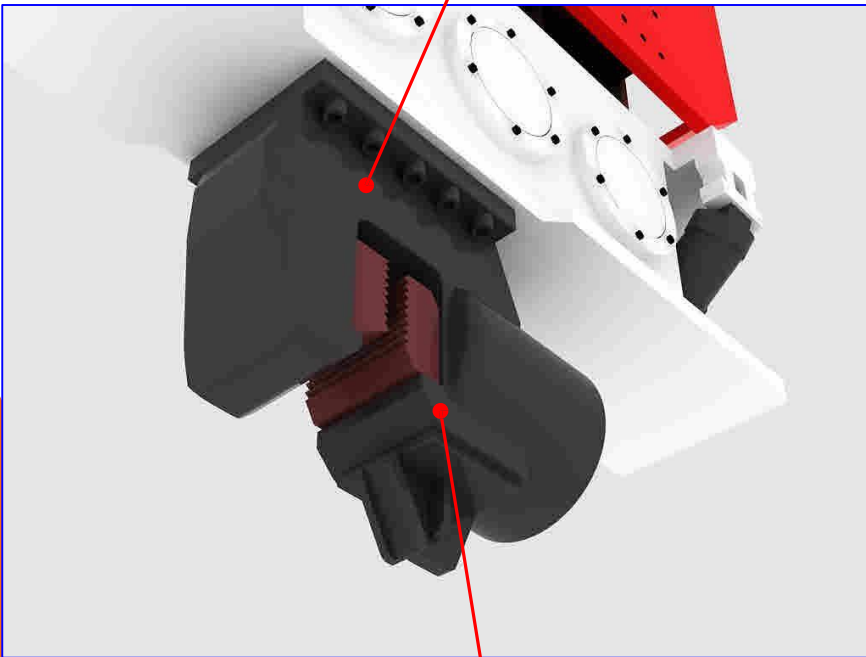
Model 2 X 120D Double Clamp  
(Optional)



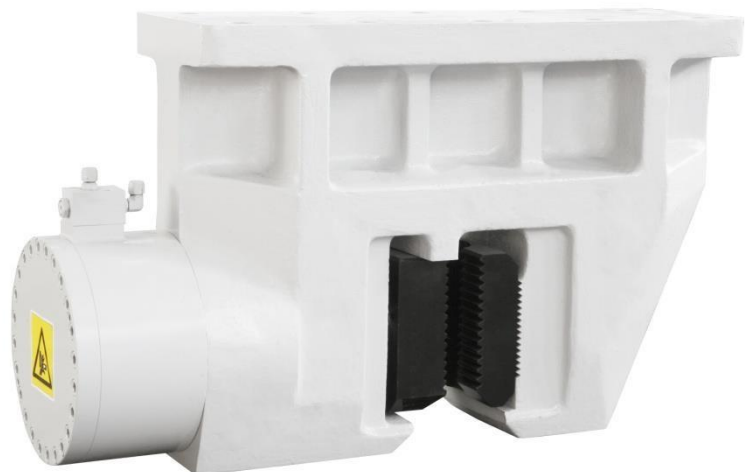
| VIBRO HAMMER SERIES                      |                   |             | BRUCE SGV-450 |
|------------------------------------------|-------------------|-------------|---------------|
| < CLAMPS >                               |                   |             |               |
| Sheet pile clamp 180U                    | Clamping force    | (tons / kN) | 180 / 1,800   |
|                                          | Weight            | (lbs / kg)  | 2,646 / 1,200 |
| Double clamp 2 X 120D<br>For casing pile | Clamping force    | (tons / kN) | 240 / 2,400   |
|                                          | Weight incl. beam | (lbs / kg)  | 5,468 / 2,480 |

## BRUCE VIBRO HAMMER FOR SHEET PILE MODEL : SHEET PILE CLAMP 180U

SHEET PILE CLAMP 180U



CLAMPING FORCE 180TON

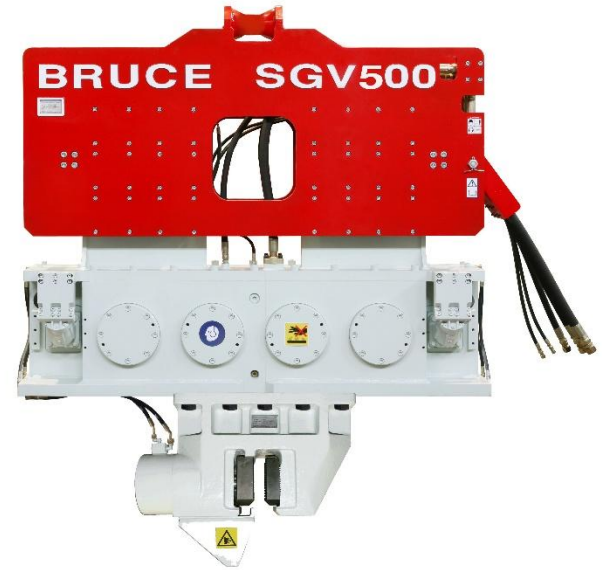


## SPECIFICATION

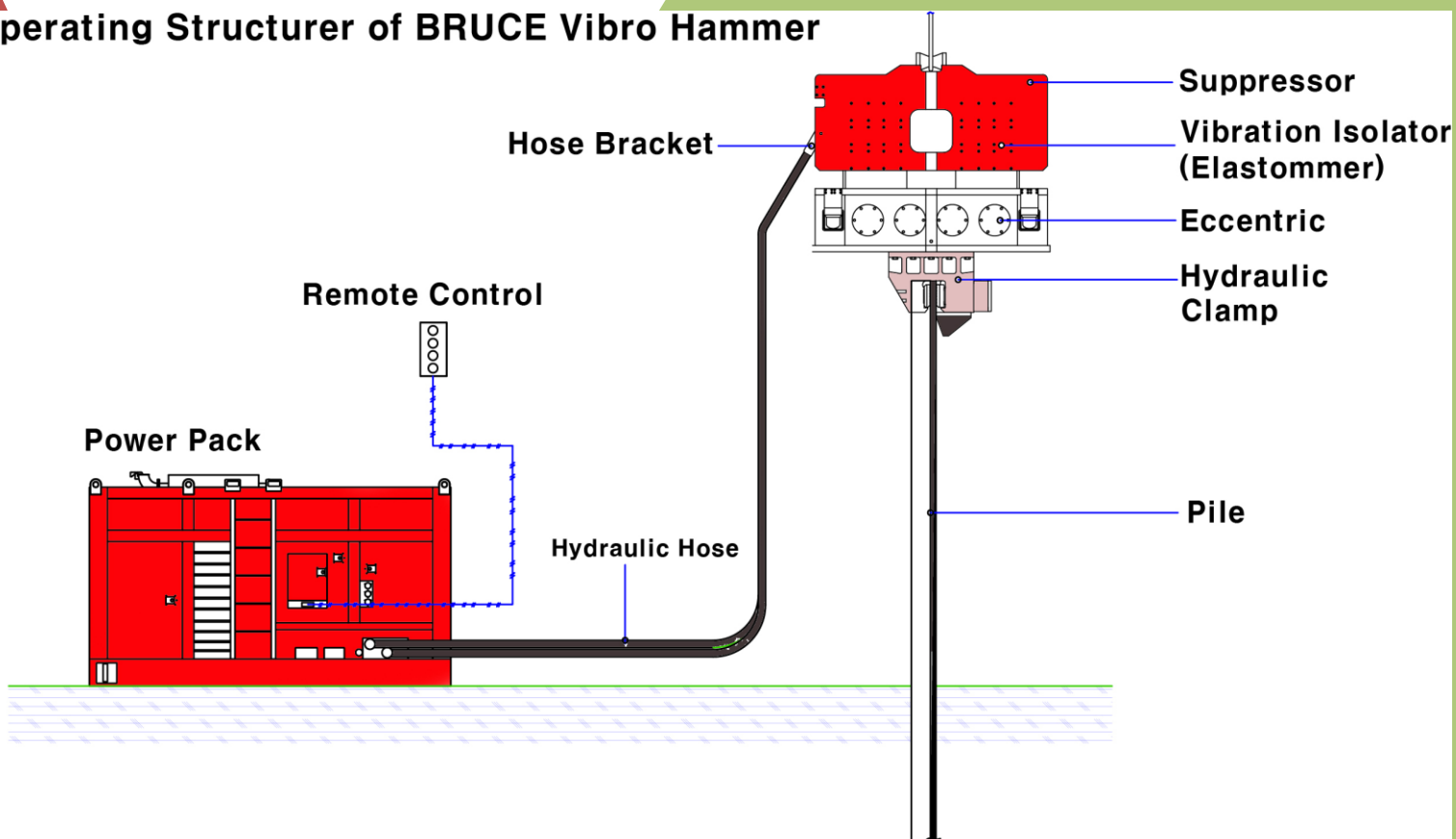


| POWER PACK SERIES       |               | PQ-600V                 |
|-------------------------|---------------|-------------------------|
| < OPERATING DATA >      |               |                         |
| Engine                  | -             | Hyundai (Doosan) Engine |
| Engine power            | (PS / kW)     | 566 PS / 416 kW         |
| Engine speed            | (rpm)         | 1,800                   |
| Max. pressure           | (psi / bar)   | 4,641 / 320             |
| Max. flow               | (gpm / lpm)   | 172 / 650               |
| Hydraulic tank capacity | (gal / liter) | 264 / 1,000             |
| Fuel tank capacity      | (gal / liter) | 211 / 800               |
| < DIMENSIONS >          |               |                         |
| Overall length          | (ft / mm)     | 11.5 / 3,500            |
| Overall width           | (ft / mm)     | 5.9 / 1,800             |
| Overall height          | (ft / mm)     | 7.2 / 2,200             |
| < WEIGHT >              |               |                         |
| Weight with operating   | (lbs / kg)    | 14,551 / 6,600          |

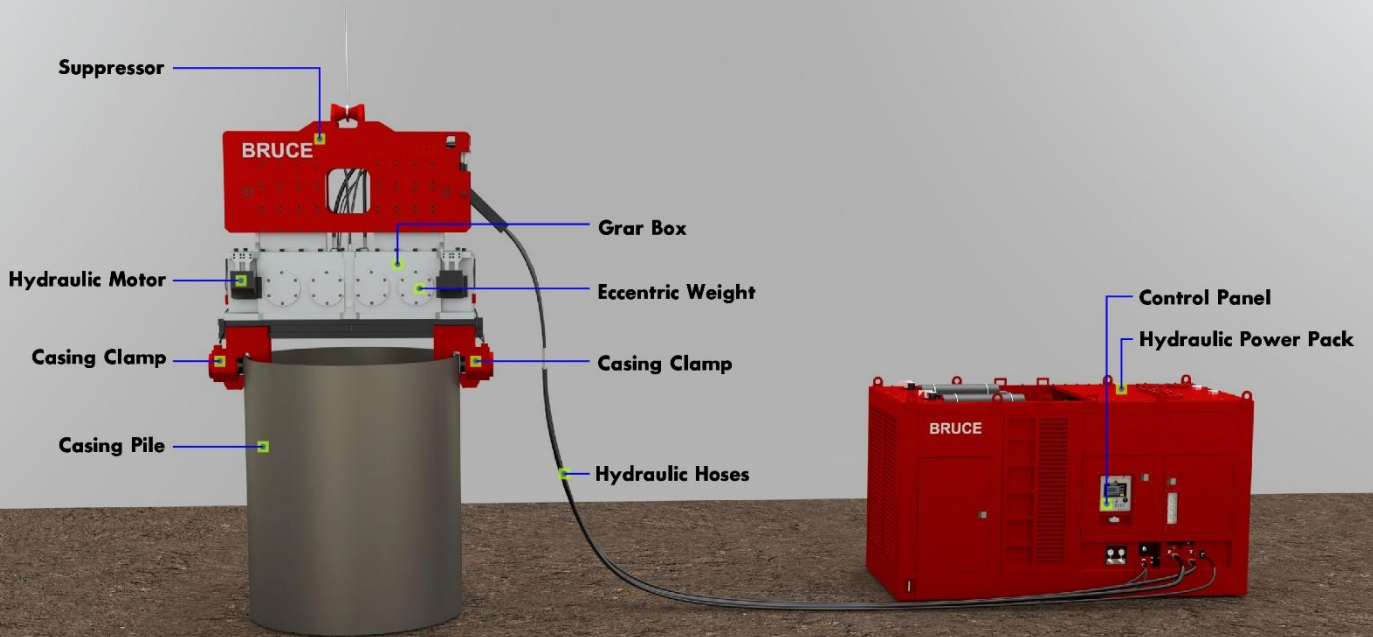
## OPERATIONAL DIAGRAM OF BRUCE VIBRO HAMMER



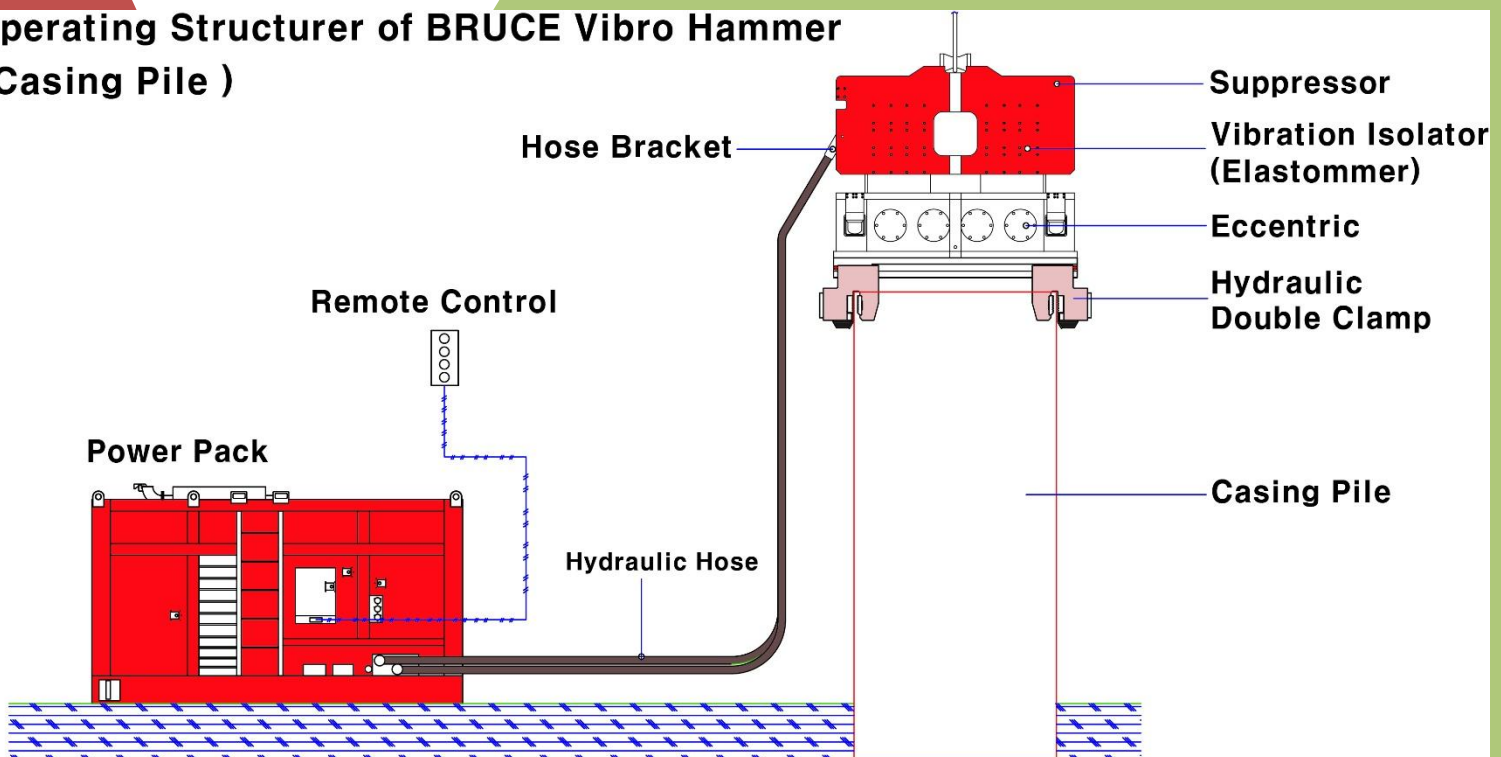
### Operating Structurer of BRUCE Vibro Hammer



## OPERATIONAL DIAGRAM OF BRUCE VIBRO HAMMER



## Operating Structurer of BRUCE Vibro Hammer ( Casing Pile )



**BALANCED DOUBLE SIDE ECCENTRIC WEIGHTS**  
Ensuring Long Life Time of Gears and Bearings

