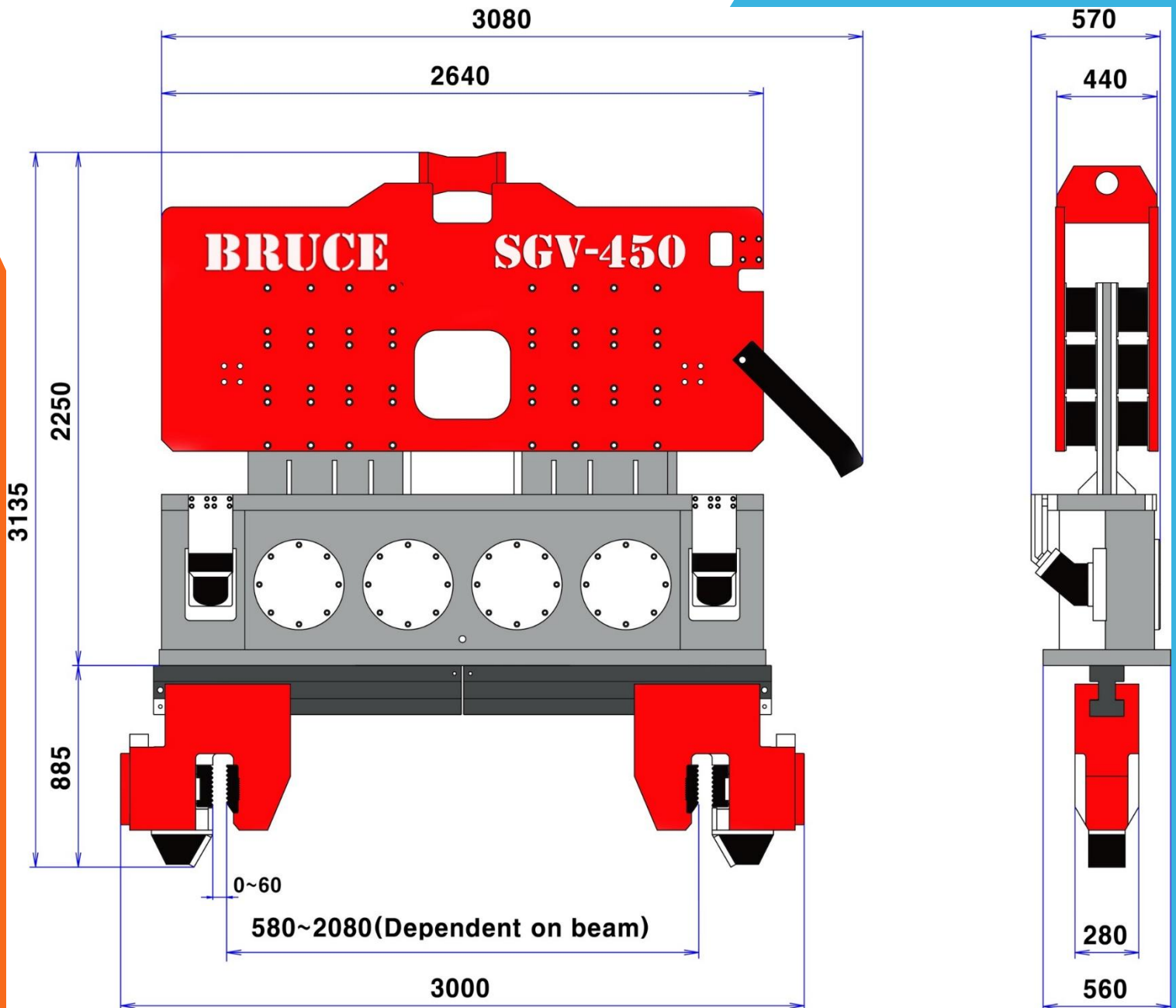


BRUCE VIBRO HAMMER

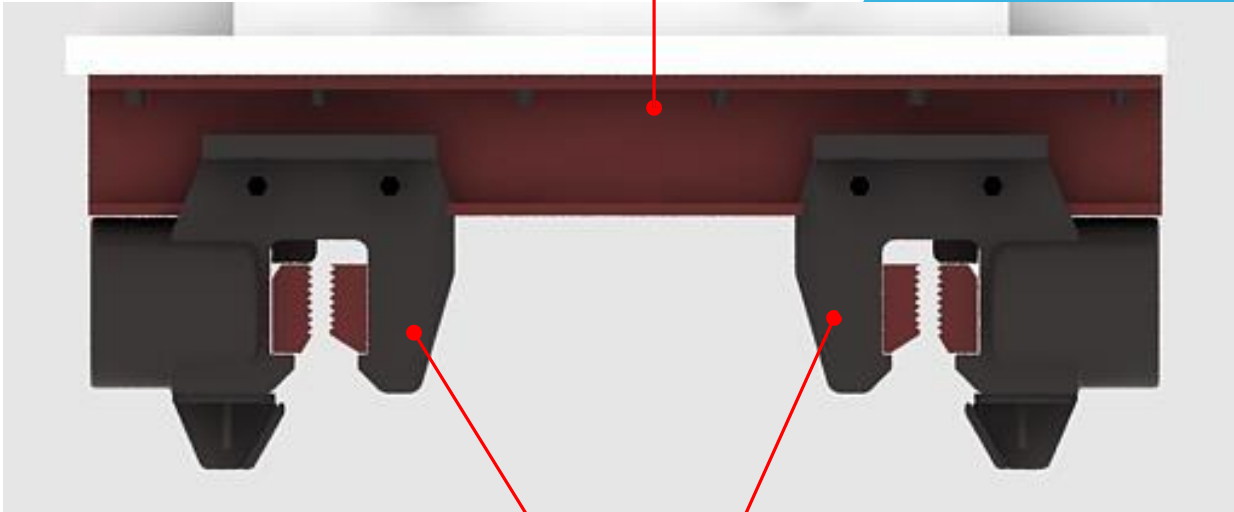
MODEL : BRUCE SGV-450 DOUBLE CLAMP

Dimension : Metric

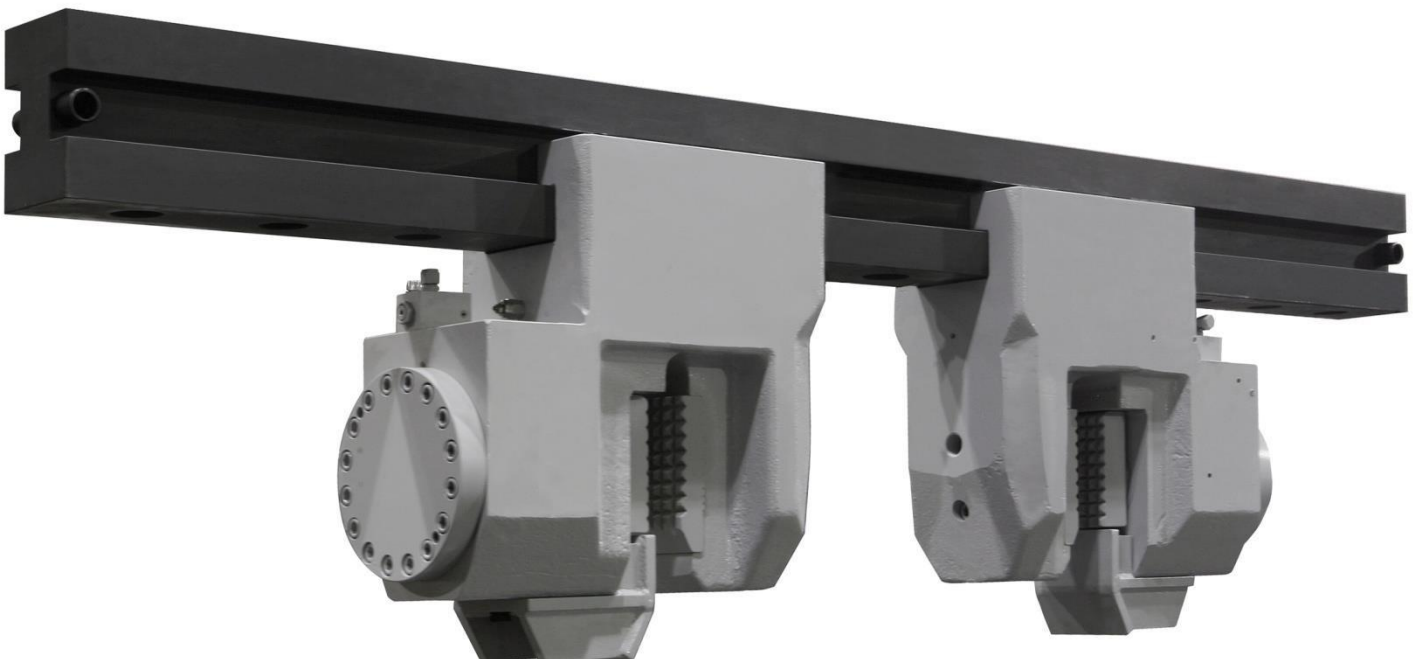


BRUCE VIBRO HAMMER FOR CASING PILE
MODEL : CAISSON BEAM & CASING PILE CLAMP

CAISSON BEAM



CASING PILE CLAMP, 2 X 120D

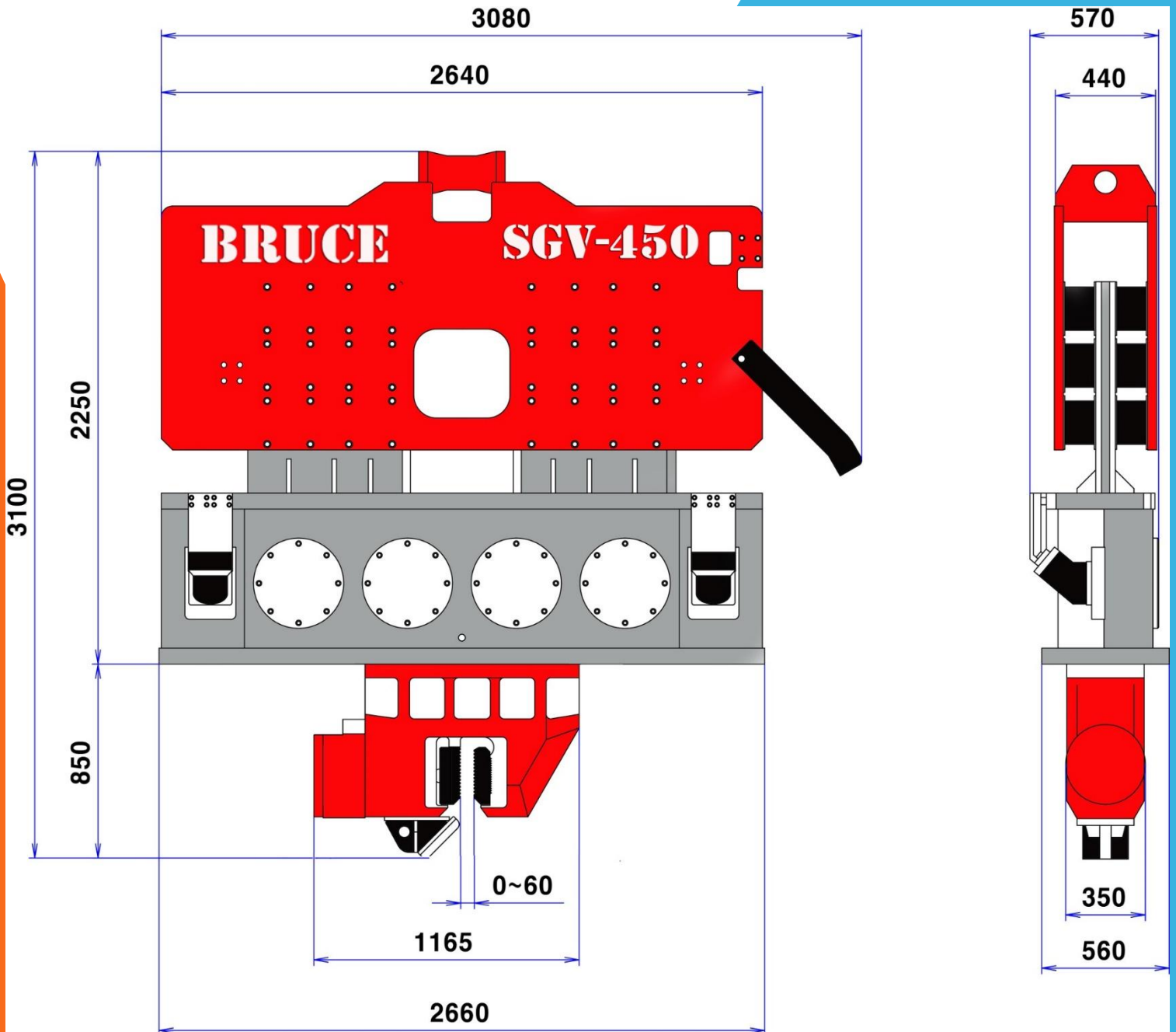


SPECIFICATION

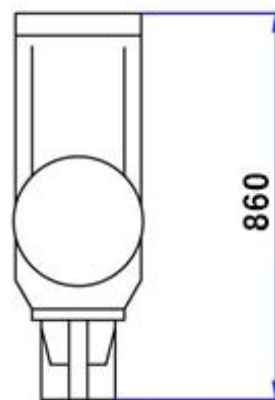
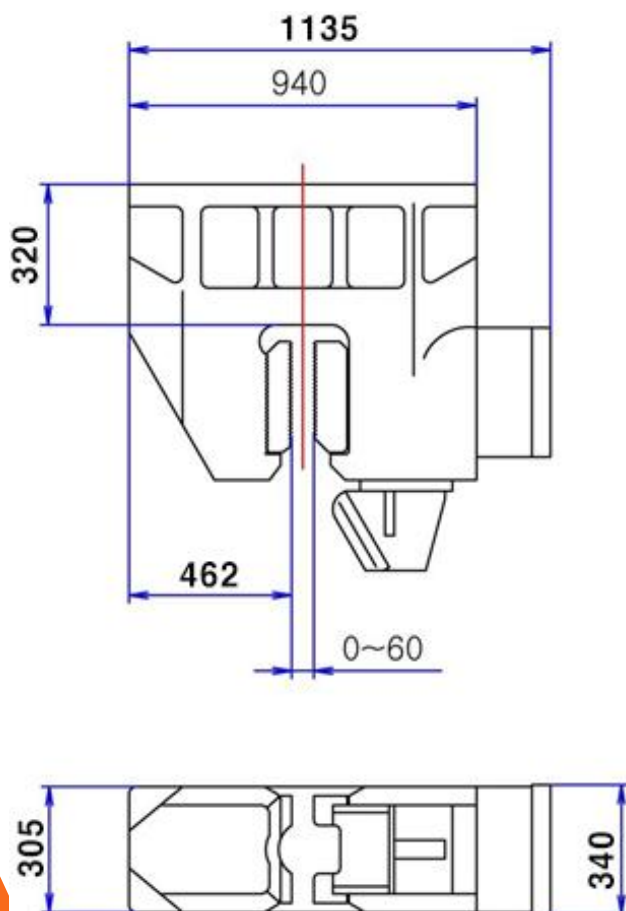
VIBRO HAMMER SERIES		BRUCE SGV-450
< OPERATING DATA >		
Eccentric moment	(in-lbs / kg-m)	5,121 / 59
Max. frequency	(vpm)	1,730
Centrifugal force	(tons / kN)	198 / 1,944
Amplitude (free hanging) including clamp 180U	(in / mm)	0.83 / 21
Max. line pull for extraction	(tons / kN)	90 / 883
Max. hydraulic 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 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



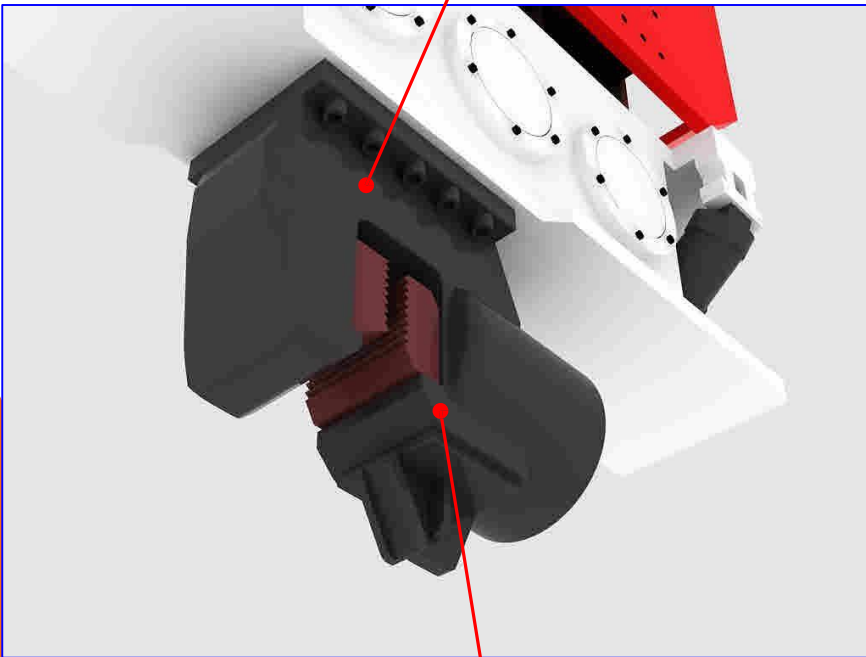
Model 2 X 120D Double Clamp
(Optional)



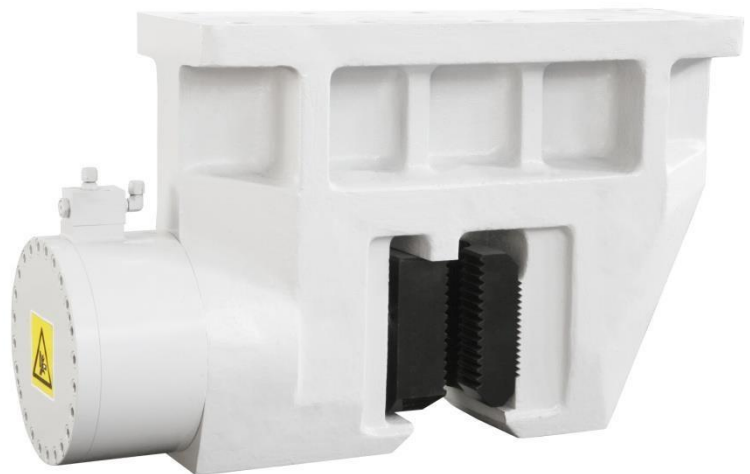
VIBRO HAMMER SERIES			BRUCE SGV-450
< CLAMPS >			
Sheet pile clamp 180U	Clamping force	(tons / kN)	180 / 1,800
	Weight	(lbs / kg)	2,646 / 1,200
Double clamp 2 X 120D For casing pile	Clamping force	(tons / kN)	240 / 2,400
	Weight incl. beam	(lbs / kg)	5,468 / 2,480

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

SHEET PILE CLAMP 180U



CLAMPING FORCE 180TON

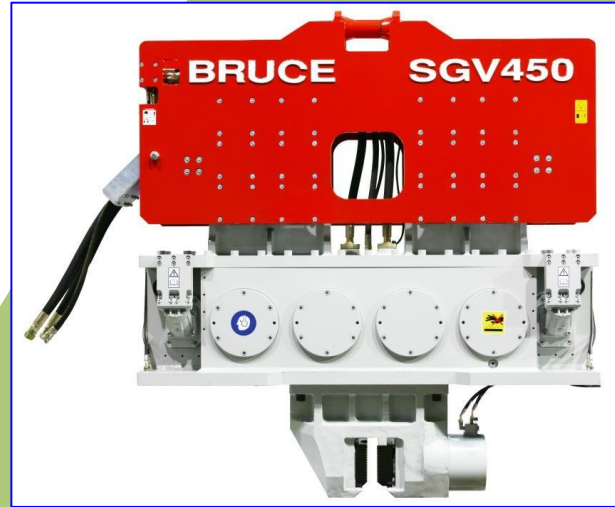


SPECIFICATION

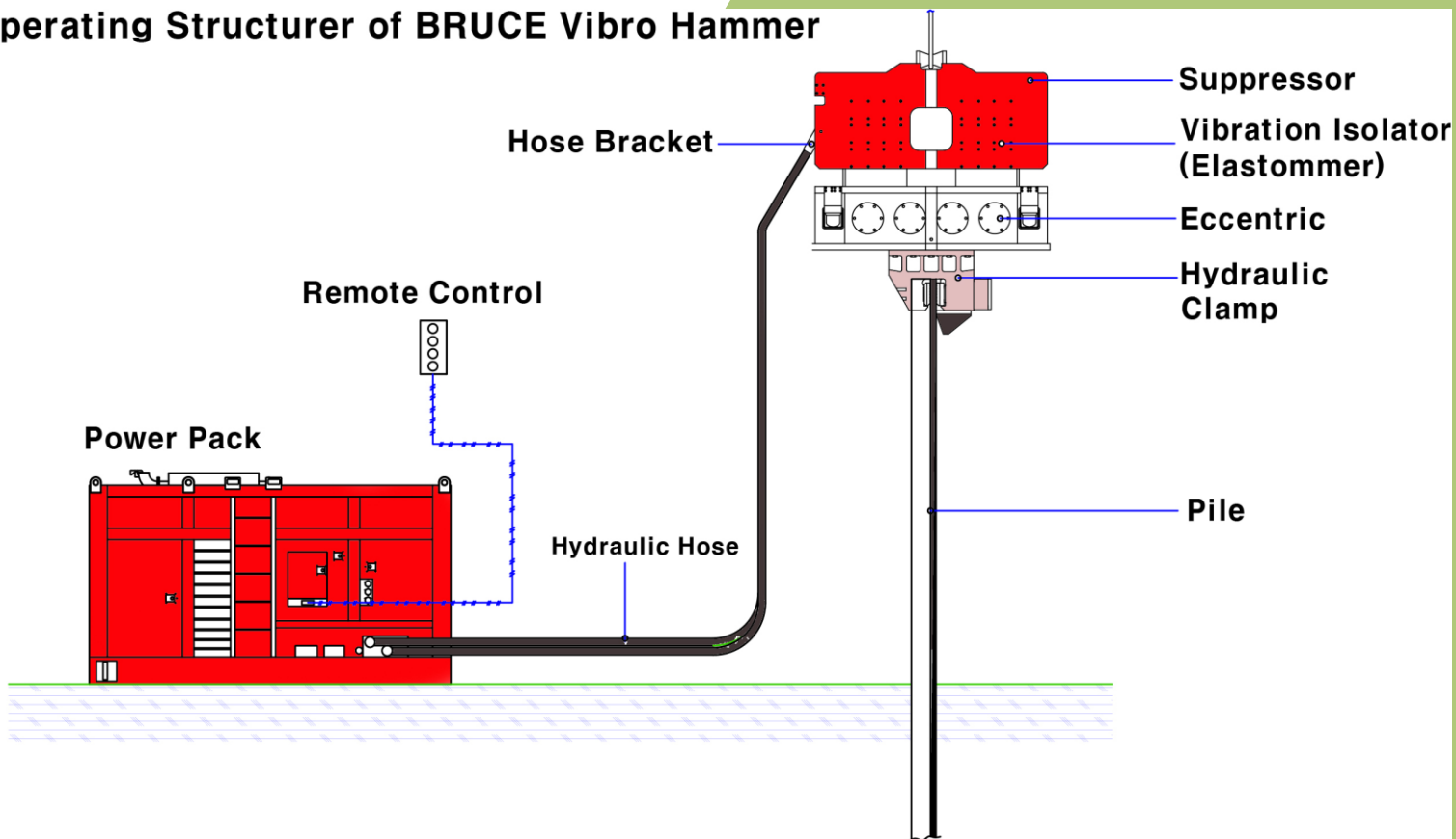


POWER PACK SERIES		PQ-600V
< OPERATING DATA >		
Engine	-	Hyundai (Doosan) Engine
Engine power	(PS / kW)	687 PS / 505 kW
Engine speed	(rpm)	1,800
Max. pressure	(psi / bar)	4,641 / 320
Max. flow	(gpm / lpm)	172 / 650
Hydraulic tank capacity	(gal / liter)	264 / 1,000
Fuel tank capacity	(gal / liter)	211 / 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

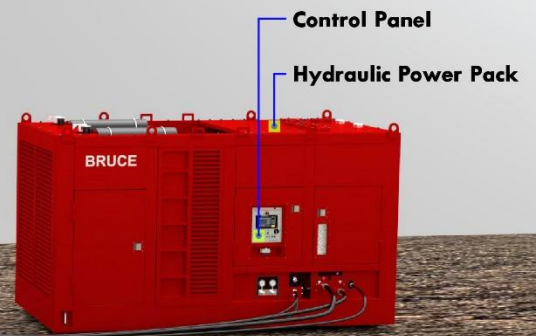
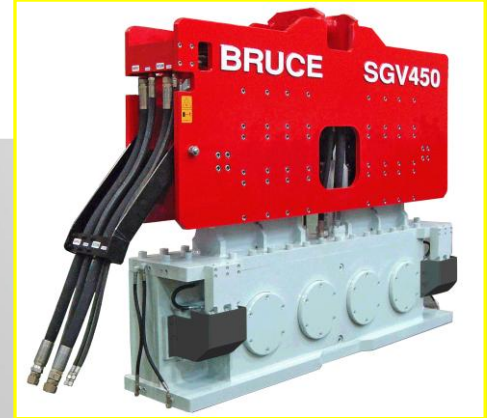
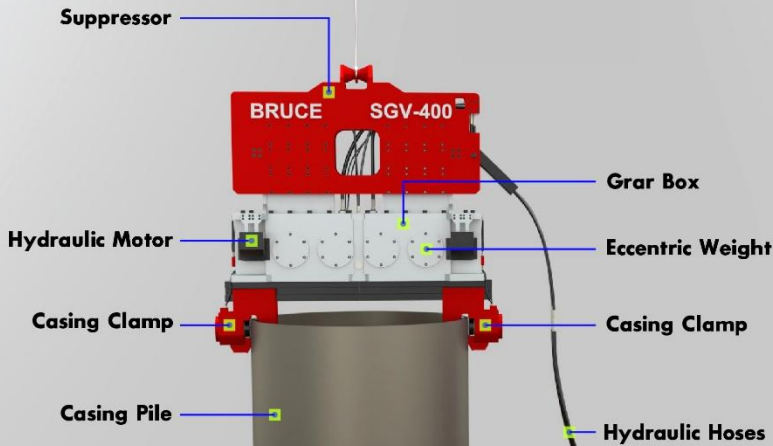
OPERATIONAL DIAGRAM OF BRUCE VIBRO HAMMER



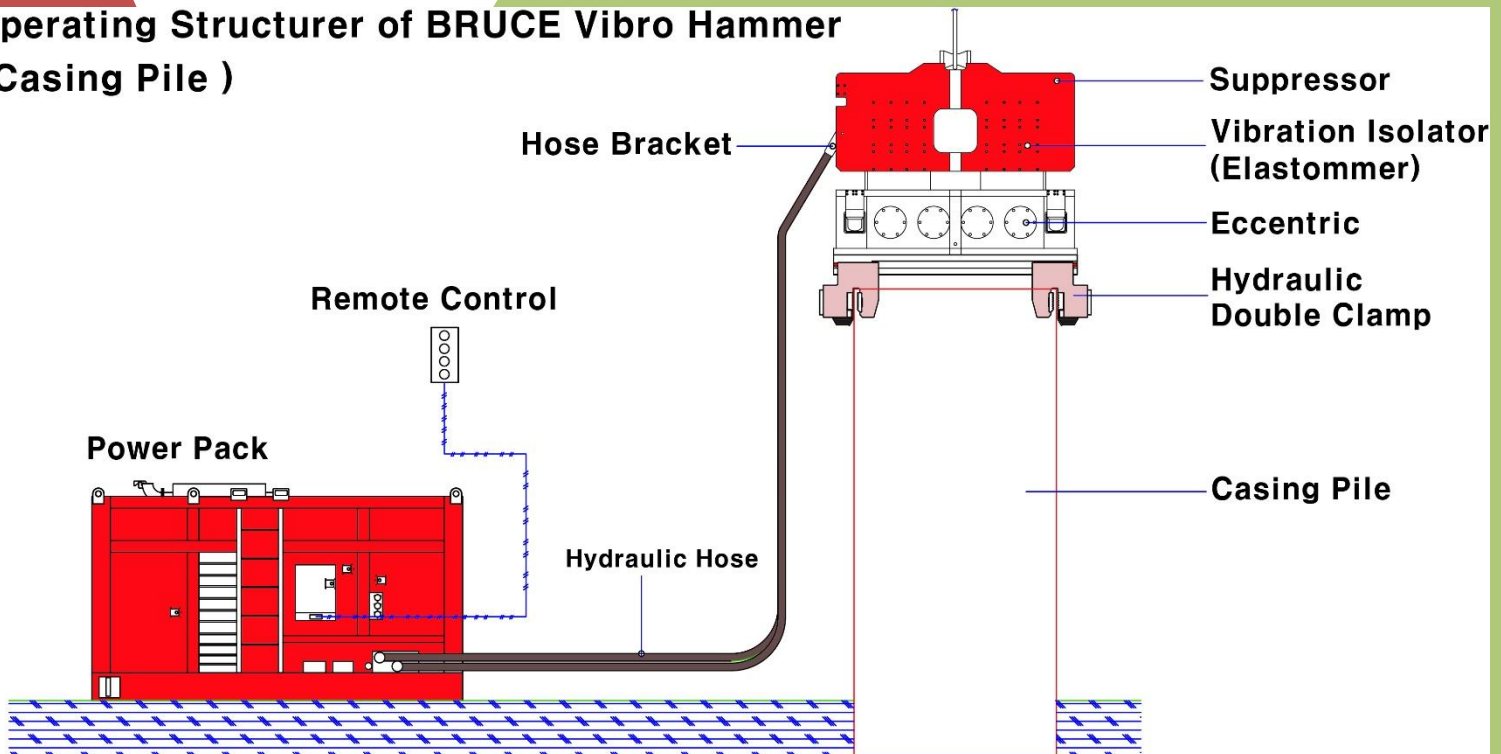
Operating Structurer of BRUCE Vibro Hammer



OPERATIONAL DIAGRAM OF BRUCE VIBRO HAMMER



Operating Structure of BRUCE Vibro Hammer (Casing Pile)



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

