

Laboratory of "System DC90" Innovation Centre

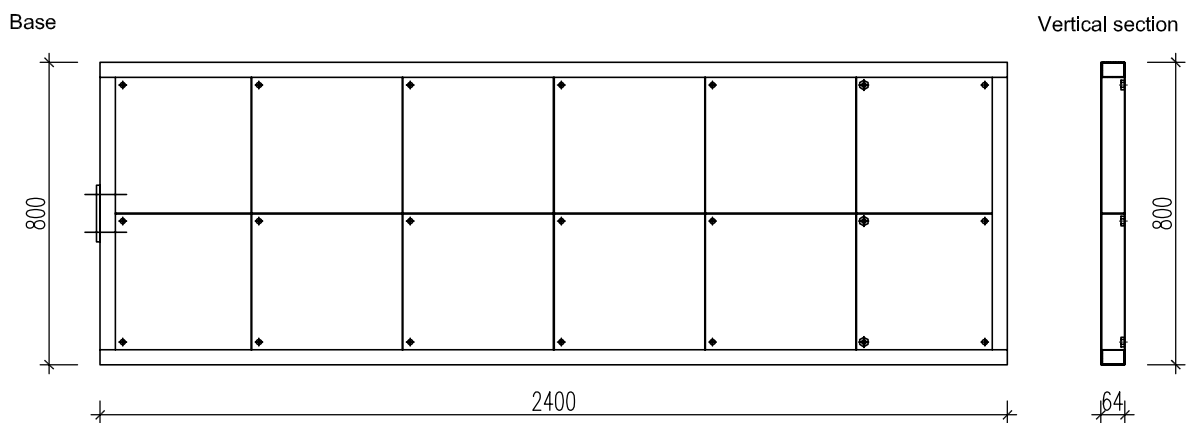
Hydraulic system for model dynamic testing and testing under high levels of Force for quasi dynamic alternative testing of Dampers DC 90 Systems.

System Features:

The system provides the testing in five dispositions:

- 1) Vibro-platform 800x2400mm is assigned to test the specimen up to 1 tone and up to 15Hz frequency and dynamic loads in free time record, the displacement range is $\pm 30\text{mm}$,
- 2) Axial dynamic testing under push-pull loading conditions, the length of elements is up to 2000mm, the force range is $\pm 20\text{ kN}$, the frequency is up to 15 Hz, the displacement range is $\pm 30\text{mm}$,
- 3) Vertical Model testing of the specimen (dimensions 3000 x2500mm) by horizontal dynamic loading by the actuator of mentioned dynamic features,
- 4) Testing of the linear constructions (dimensions 600 x2000x3000mm) by vertical dynamic loading by the vertical actuator of mentioned dynamic features,
- 5) Quasi dynamic testing of the construction members (dimensions 5000 x3000x1000mm) by alternative push-pull loading in vertical frame by force at range $\pm 3000\text{ kN}$.

Vibro-platform



Vertical column with horizontal actuators

