

Vibration foundation with FAEBI®

Application example:

Foundation isolation with FAEBI® rubber air springs and level control.
Implementation with pre-cast concrete slabs.



Bilz scope of supply and services

8 x Bilz FAEBI® 580 HD with mechanical-pneumatic level control
MPN-LCV

Planning services

- Creation of the foundation
- Static calculations
- Formwork and reinforcement plans
- Steel and steel bending schedule

Requirements

- A maximum of 3 weeks loss of production.
- Special shape 5 corner
- Tight space conditions and entry to the inspection channel through the foundation block
- Extremely small allowable horizontal movements of the machine
- Reliable source isolation for suppressing the disturbing vibrations in the adjacent building, 2. floor, from 10 Hz.

APPLICATION

Punching machine, machine weight including the tool and accessories approximately 23 t, dynamic forces vertical approx. 60 kN, horizontal approx. 30 kN, foundation block approx. 5.1 x 3.5 x 1.0 m, weight approx. 40 t.

