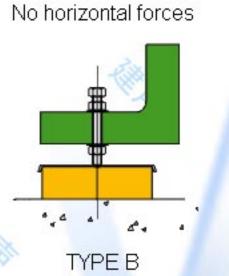
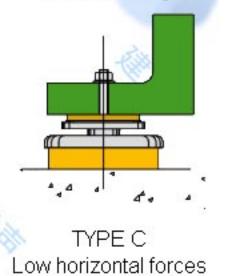


CDM

TYPE A



Very low horizontal forces
Tunable in height



Tunable in height

CDM-ISO-MACHINE-CONTACT

CDM-ISO-MACHINE-CONTACT offers a simple and cost effective means of providing vibration and impact isolation to machines such as compressors, pumps, ventilation units, refigeration units etc....

The system consists either of pads, strips, mats (CDM-SOLIDS), steel spring isolators (CDM-SPRINGS) or air cushions (CDM-AIR CUSHIONS) that sit directly beneath the supports of the machine.

The system can be tuned to any frequency of 1Hz or more

Required data for design:

- 1 Load distribution
- 2 Speed of machine
- 3 Dimensional limits
- 4 Vibration isolation performance
- 5 Special requirements (temperature,oil, etc...)



Setup with pads



Setup with springs



Setup with air cushions

THE SYSTEM IS A CUSTOMIZED DESIGN TO SUIT PROJECT SPECIFIC REQUIREMENTS AND CRITERIA



¥ 7.



this ...



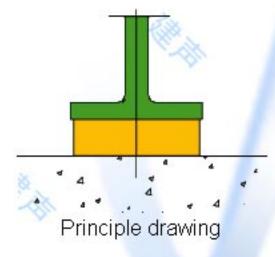
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CDM





CDM-ISO-LOOM-CONTACT

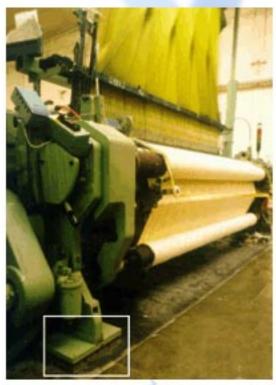
Weaving looms and tufting machines generate a large amount of vibration and structure-borne noise which is transmitted to the environment via the floor; CDM damping pads considerably reduce the structure-borne component and can therefore be used as soundstop.

The advantages of using CDM-ISO-LOOM-CONTACT are:

- 1 easy to install: locate directly under the machine support
- 2 improves working environment
- 3 extends lifetime of the support structure
- 4 good ageing resistance

Required data for design:

- 1 Pipe contact temperature
- 2 Pipe diameter and thickness
- 3 Number of pipes to be isolated
- 4 Nature and orientation of supporting surface
- 5 Excitation frequency spectrum (if available)







A treated jacquard column



A treated loom foot





Walkway for operator

Weaving loom 2

FRONT

View of the whole setup

Job Type Isolation of a whole battery of 6 x 2 coupled loom machines with

jacquards

Problem Too high vibration levels at the soil

serious neighbour complaints!

Turning speeds Every loom (type = Picanol, ca. 3 tons, air driven) turning at a

slightly different speed between 600 and 700rpm (delta = min.

5rpm), to avoid synergies

Isolator type Combi-pad of CDM-HR & PF resonating at 5Hz

Consultants EVA int. & AIB Vinçotte Intervention date Nov. - Dec. 2003

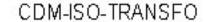
Performance:isolated setup versus non-isolated setup:reduction of the vibration levels with a factor 4 at 20Hz.

Important note:no excessive machine movements nor displacements were registered for the treated looms.



CDM





The CDM-ISO-TRANSFO system consists of vibration isolation strips which easily and efficiently minimise the vibration transmission for all types of transformers, from small distributor units to large power transformers.

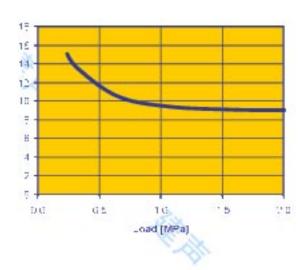
The CDM-ISO-TRANSFO strips are 38 mm thick with the length and width being project specific.

Properties of the CDM-ISO-TRANSFO material

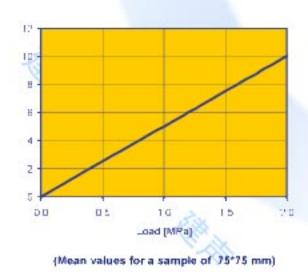
- 1 Temperature range: -20°C to +100°C
- 2 Excellent electrical resistivity
- 3 Good resistance to most oils and solvents (details available on request)



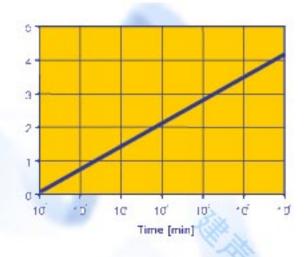
Required data for design: type and size of the transformer total weight of the transformer location of centre of gravity of the transformer support surface layout



Resonance frequency [Hz]



Deflection [mm]



Additional deflection by creep @ 0.7 MPa[% free height]

















