

INSTALLATION INSTRUCTIONS

for the correct installation of isoloc Levelling Shoes, VR-series

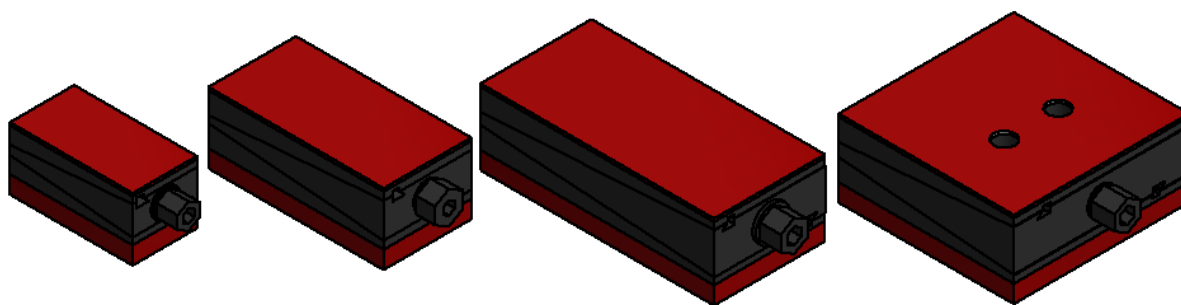
General installation guidelines:

Before installing the machine or plant, the area around the bearing surface must be free from oil and grease in order to give optimum anti-slip protection. Rough concrete should be given a clean smooth coating. The admissible evenness and angle tolerances on the upper side of the bearing surfaces and on the lower side of the machine pedestals base on DIN 18202. Localized loads have to be avoided. It should additionally be ensured that the specified maximum load indexes (F_{max}) of the elements are not exceeded. If they are not known, please ask us. If the centre of gravity of the machine is not central, larger levelling shoes have to be used at the higher loaded mounting points, if necessary.

If the isoloc levelling shoes are equipped with IPL Vibration Insulation Panels of different thicknesses, then the thin GPL Anti-Slip Panel must always be on top, next to the machine. All levelling shoes have to be adjusted to medium height (check with a precision spirit level if necessary) and the machine lowered **carefully** on to them. If the levelling shoes are equipped with IPK Vibration Insulation Packs, each levelling shoe has to be adjusted to the maximum height before lowering the machine – then levelling is carried out downwards. **The machine can no longer be shifted in the x- or y-axis after it has been placed down!** The levelling shoes have to be loaded **on their full area** – on at least 75 % of the support surface. This support surface has to be chosen in cross direction to the levelling spindle. **If the load is applied one-sidedly or localized, there is the danger of tipping or breaking!**

Levelling has to be performed with a torque spanner employing the appropriate spanner size for the levelling spindle. The torque spanner should be set to the maximum torque in Nm: 1-VR approx. 25 Nm, 2-VR approx. 40 Nm, 3-VR approx. 60 Nm, 303-VR approx. 55 Nm. In order to judge the unevenness of the floor between two mounting points, half of the levelling range of our levelling shoes has to be taken as a basis. E. g. the maximum floor slope between two 1-VR Levelling Shoes has to be 3.5 mm if the shoe in question is supported on the entire mounting surface as the levelling range of the 1-VR Levelling Shoe is 7 mm. The adjustment ranges are: 1-VR -4/+3 mm, 2-VR -6/+3 mm, 3-VR -6/+4 mm and 303-VR -6/+4 mm. Please pay attention that the admissible floor slope within a mounting surface is not exceeded that is defined in DIN 18202 irrespective of the elastic elements. For the unevenness of the floor between two setup points that is more than half of the levelling range, distance plates made of polyamide / steel and GPL have to be used. Please note that our vibration insulation panels can deform afterwards under load (so-called creeping). This deformation process is finished after 24 – 48 hours.

The indicated adjustment ranges of the levelling shoes must by no means be exceeded as otherwise damages of the adjustment wedges or of the levelling shoes occur. Particular care must be taken to ensure that, after levelling, all levelling shoes are (uniformly) loaded.



1-VR

2-VR

3-VR

303-VR

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