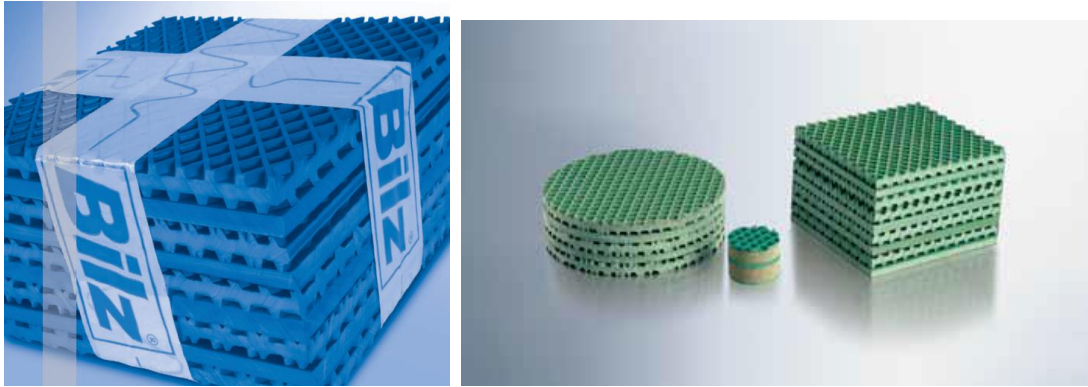


Insulation pad sets 组合隔振垫



Multiple layering of Bilz insulation pads can achieve significantly reduced natural frequencies and therefore considerably increase the insulation effect compared with a single layer of insulation pads. 多层次的 Bilz 隔振垫相对于一层的隔振垫有明显降低固有频率，增加隔振效果

These pad sets are particularly suitable for large machines and sprung foundations. 这些隔振垫特别适用于大型机器设备和弹簧支撑的基础设施。

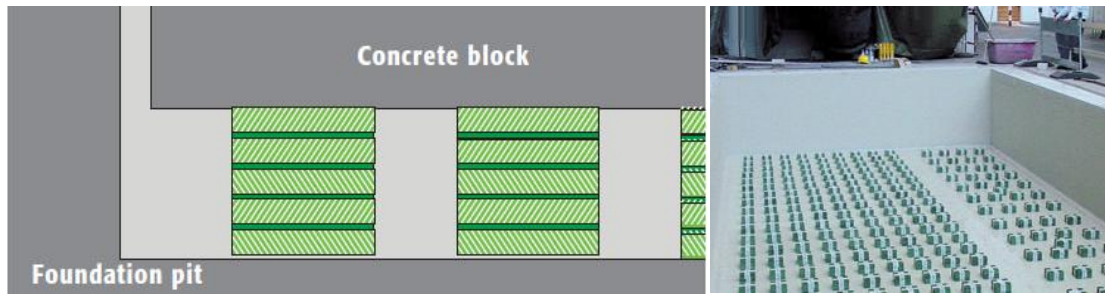
The vibration insulation and damping properties of these insulation pads remain unchanged even after years of dynamic loading. 这些隔振垫的隔振性能和阻尼性能经过多年的动载应用仍能保持稳定。

Bilz insulation pads are resistant against the most common greases, oils, coolants. Bilz 的隔振垫可以抵御大多数的润滑脂，油，冷却剂的腐蚀。

Application (应用)

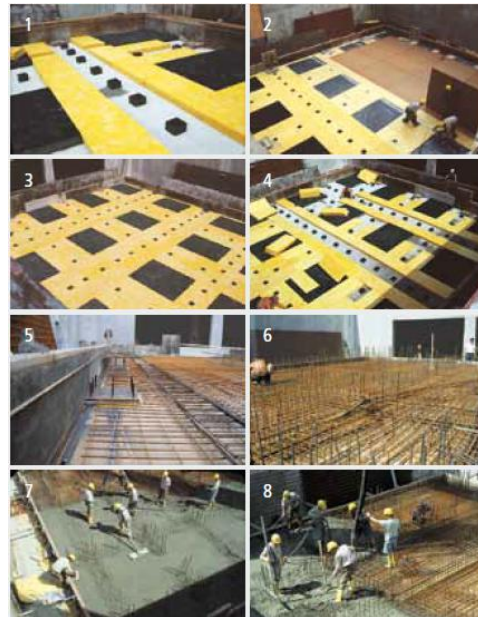
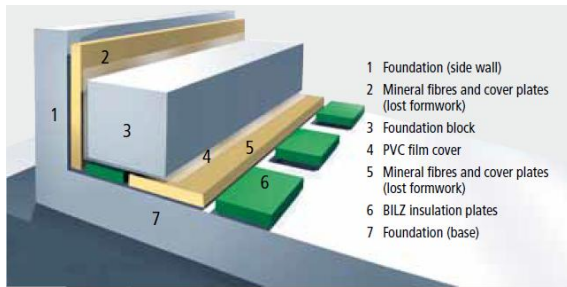
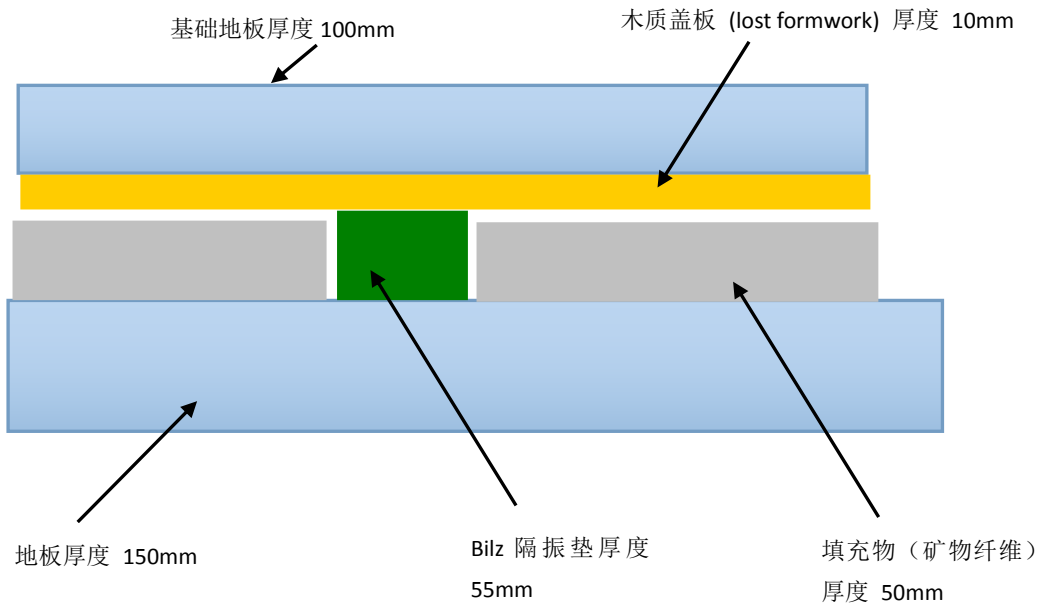
Effective insulation pads for highly dynamic machines and foundations. 隔振垫对于高动态的机器和基础有较好的隔振效果。

The permissible load capacity of a pad lies between 5 and 40 N/cm² depending on the application. The number and size of the insulating layers and the required distribution of the pad sets is determined specifically for the application by Bilz. 一块隔振垫根据应用具体需求其允许载重为 5-40N/cm²。隔振垫的数量和规格以及具体的摆放布局根据具体的应用由 Bilz 设计。

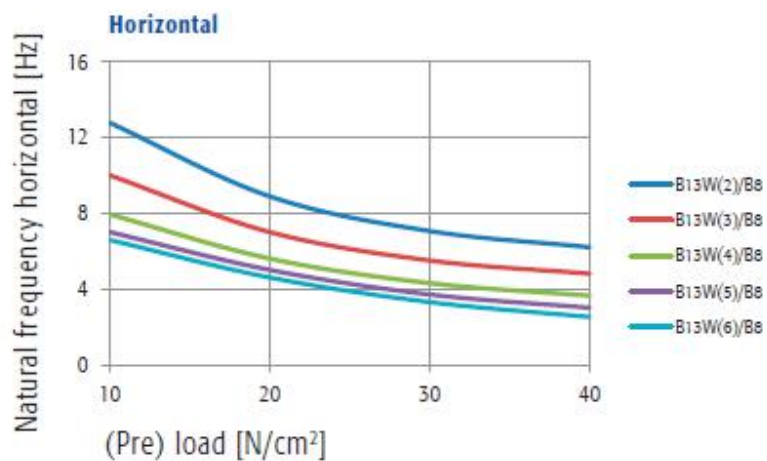
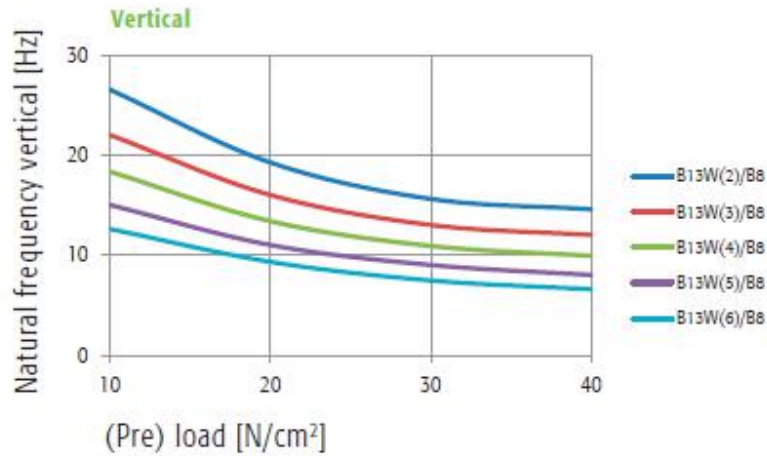


浮筑楼板

Concept layout 概念布置图



NATURAL FREQUENCY



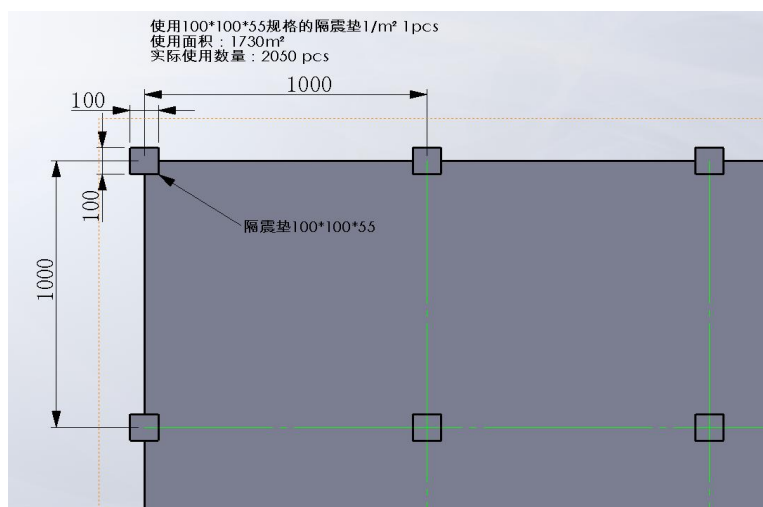
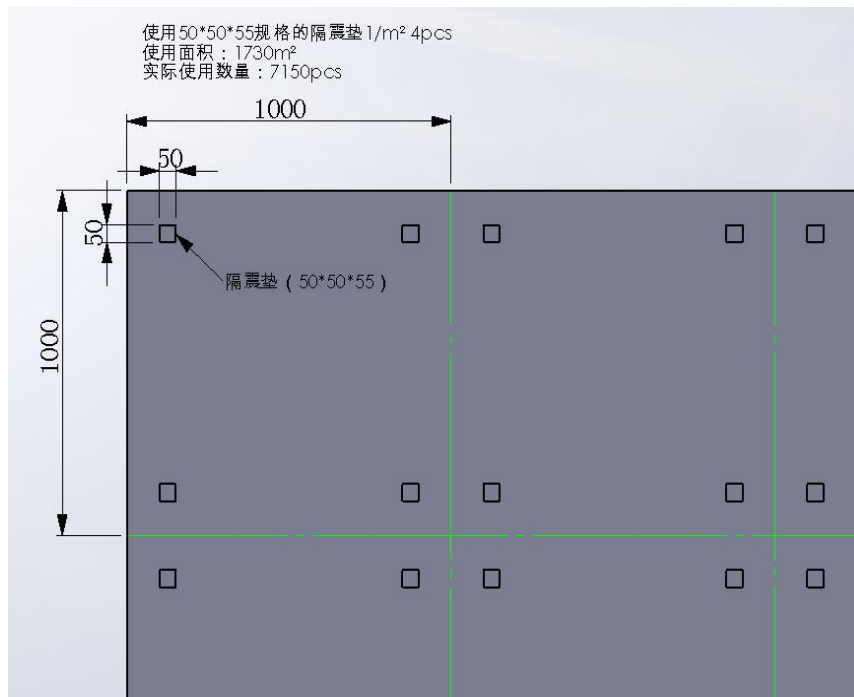
SQUARE

Width mm	Length mm				
	500	250	200	166	150
500	■	■			
250	■	■	■	■	
200		■	■	■	
166		■	■	■	
150					■

Type	Thickness unloaded mm	Natural frequency vertical Hz	Natural frequency horizontal Hz
B13W/B8, 2-layer	34	14.5 - 26.5	5.5 - 12.5
B13W/B8, 3-layer	55	12.0 - 22.0	4.5 - 10.0
B13W/B8, 4-layer	76	10.0 - 18.5	3.5 - 8.0
B13W/B8, 5-layer	97	8.0 - 15.0	3.0 - 7.0
B13W/B8, 6-layer	118	6.5 - 12.5	2.5 - 6.5

应用实例

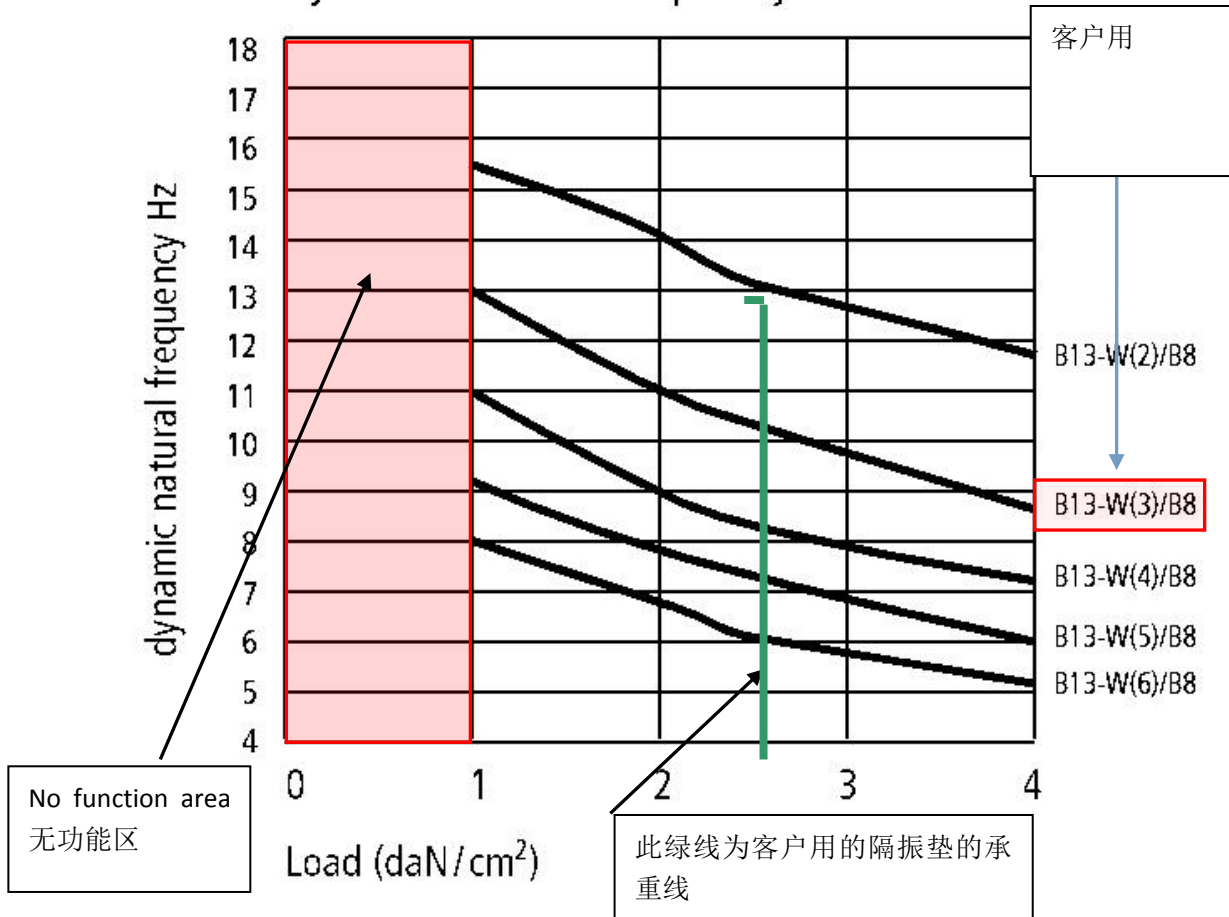
1. 布置图



Which means every one square meter has 4 pcs. Bilz pads are sharing the load. Top foundation floor static Mass per square meter is approx. 250 Kg . So each BILZ pad is taking the load :62.5Kg. 每一平方米有四片隔振垫，比尔茨隔振垫共同承重。顶层基础地板每平方米的静载量约为 250 公斤，所以每一块 50*50*55 比尔茨隔振垫的承重约为 62.5 公斤。

From Bilz catalog we can see the nature frequency performance of BILZ pads under different load . 从比尔茨的样册里我们可以看到比尔茨隔振垫在不同承重下的固有频率表现。

dynamic natural frequency vertical



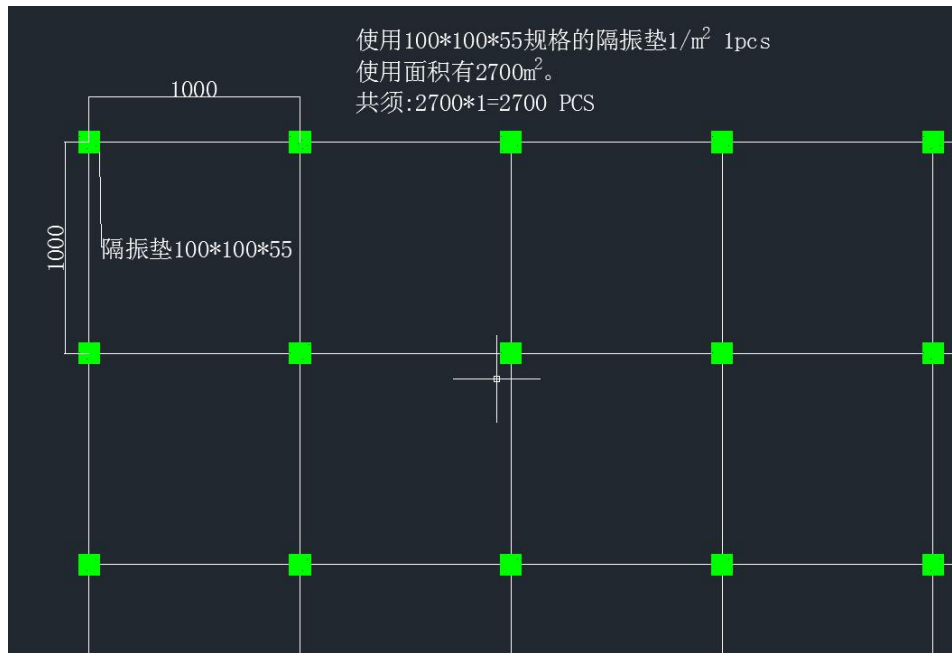
According to the real situation : 根据实际情况 (算出每 cm2 的载重):

$$62.5\text{Kg}/(5*5)\text{cm}^2=2.5$$

Bilz suggest to higher the ratio over 2.5 normally !!! Far away from the no function area.

BILZ 推荐的隔振垫载重比大于 2!!!!与远离无功能区域。

2. Layout of studio 布置图

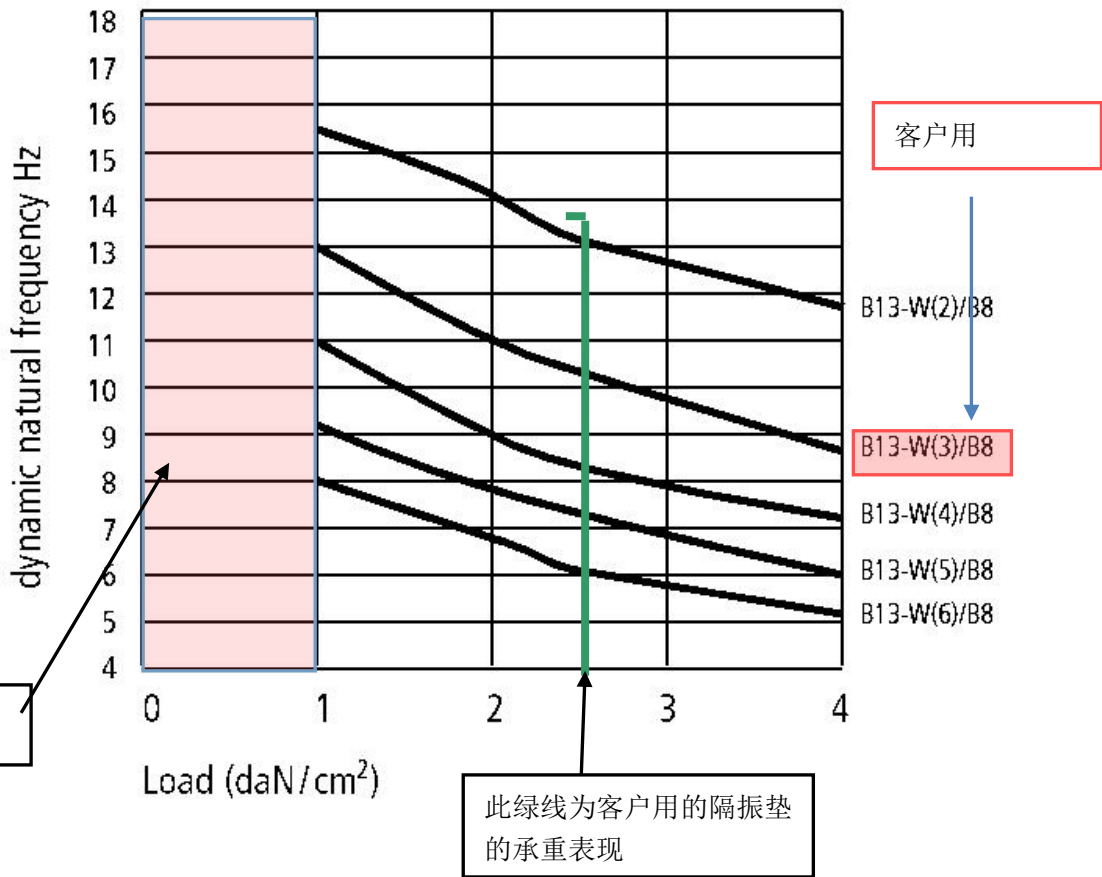


Which means every one square meter has 1 pcs. Bilz pads are sharing the load. Top foundation floor static Mass per square meter is approx. 250 Kg . So each BILZ pad is taking the load :250Kg.

每一平方米有四片隔振垫，比尔茨隔振垫共同承重。顶层基础地板每平方米的静载量约为250 公斤，所以每一块 100*100*55 比尔茨隔振垫的承重约为 250 公斤。

From Bilz catalog we can see the nature frequency performance of BILZ pads under different load . 从比尔茨的样册里我们可以看到比尔茨隔振垫在不同承重下的固有频率表现。

dynamic natural frequency vertical



According to the real situation : 根据实际情况 (算出每 cm2 的载重):

$$250\text{Kg}/(10*10)\text{cm}^2=2.5$$

Bilz suggest to higher the ratio over 2 normally !!! Far away from the no function area.

BILZ 推荐的隔振垫载重比大于 2!!!!与远离无功能区域。