

Mako Machine shoes



MAKO machine shoes effectively isolates vibration.

The fact that machine vibrations can cause problems in the current machine, in the working environment and in other machines is not new. It's not our machine shoes either. It is well proven, and designed to withstand the most stressful environments and stresses.

MAKO machine shoes has a simple design with several advantages:

1. Effective isolation of sound and strong vibrations that can cause damage to both material and operator.
2. Exact leveling.
3. Fast, easy and economical machine setup.
4. The leveling plate provides a stable and secure support both when adjusting and when the machine is in the correct position.
5. The anti-vibration material is resistant to both water and oil.
6. Available in designs for machines from 50 to 5000 kg^(a)

a) For machines shoes type 21/21 and 31/32, weights range from 20 to 800 kg.

How to choose the right MAKO machine shoe:

1. Calculate the weight of the machine.
2. Divide the weight of the machine by the number of pre-drilled holes intended for bolting the machine to the floor or foundation. This is to get maximum load on each machine shoe.
3. If it is an machine making continuously punches/strokes, note the number of punches per minute in order to choose the correct machine shoe in the table on page 2.

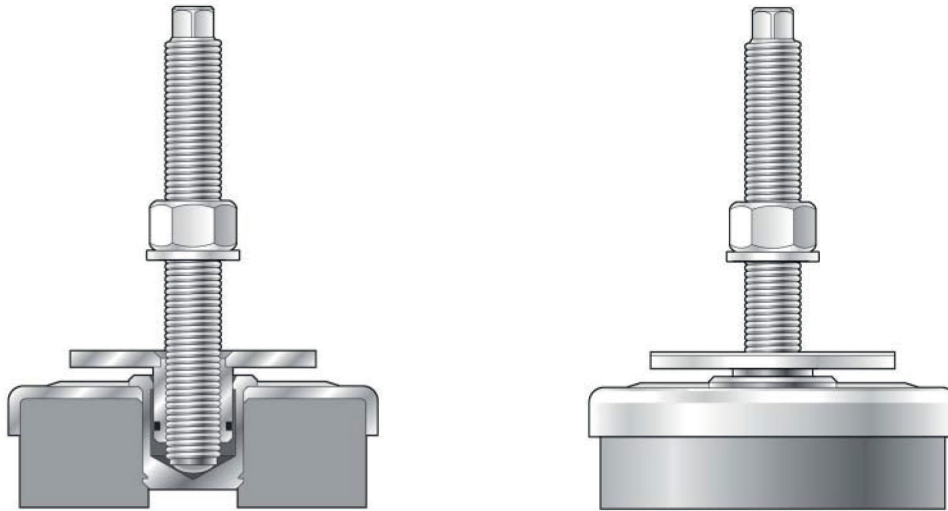


MAKO machine shoes effectively isolate vibration in two ways.

1. Prevents the vibrations from propagating to other machines and the working environment in general.
2. Isolate precision machines against external causes of vibration.

Mako Machine shoes

Technical specification



TYPE	1	2	3	4	5
Diameter (mm)	80	120	160	160	200
Height incl. leveling plate (mm)	41	49	59	59	69
Level adjustments (mm)	18	18	25	25	25
Leveling bolt	M12x1,25	M16x1,5	M20x1,5	M20x1,5	M20x1,5
Leveling bolt length (mm)	120 ¹⁾	120 ¹⁾	170 ²⁾	170 ²⁾	170 ²⁾
WEIGHT / MACHINE SHOES (kg)					
Punch free machines	50-500	400-1000	800-2500	1500-4000	3000-5500
Punch/Stroke machines:					
160 - 200 strokes/min	50-120	120-250	250-725	750-1400	1300-2400
125 - 160 strokes/min	60-140	120-350	350-1100	950-2100	1960-3500
< 125 strokes/min	70-200	200-400	400-1400	1600-2800	2700-4000

1) Also available in 210 mm length

2) Also available in 250 mm length

Stainless and nickel-plated machine shoes types 21/22 and 31/32.

- Stainless machines shoes are used in humid environments such as in the food and pharma industries.
- 4 different bolt sizes are available as standard: 12x80, 12x120, 16x120, 16x210
- The bolt can be tilted 7 ° in all directions, so that these machine shoes can be used on uneven floors.
- The nitrile rubber material is resistant to oil, water and many chemicals.



TYPE		LOADING	DIAMETER	HEIGHT *
21	(soft)	20-100 kg	60 mm	26 mm
22	(hard)	80-200 kg	60 mm	26 mm
31	(soft)	100-400 kg	100 mm	35 mm
32	(hard)	350-800 kg	100 mm	35 mm

* Height (h) = Minimum construction height, from the bottom of the machine shoe to the upper side of the screw shell on the leveling bolt.

