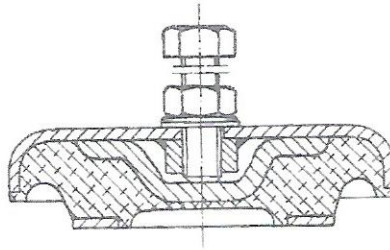


## CUSHION PADS



Cushion pads are designed for levelling absorption of oscillation caused by operation of tool machines, power packs, compressors, fans, washing her devices.

They allow easy and simplified disposition of machines, extend the lifetime of machines and tooling, and improve the quality and accuracy of machining.

In case of extremely uneven floors, it is necessary to insert plates for approximate levelling (Fig. 3) prior to fine levelling through the adjusting screws.

After the levelling has been completed, the nuts are to be tightened firmly to the machine foot. The permissible lifting of the machine prior to the levelling through the adjusting screws is 5 mm with PM/I cushion pads, and 4 mm with PM/II cushion pads.

The cushion pads are manufactured from elastomer which is to be selected so as to satisfy the required mechanical and physical characteristics and chemical resistance to ambient effects.

According to the range of applications, load and number of strokes (with eccentric presses) there are several types of cushion pads, shown in Figures 1, 2, 3, 4, 5 and 6.

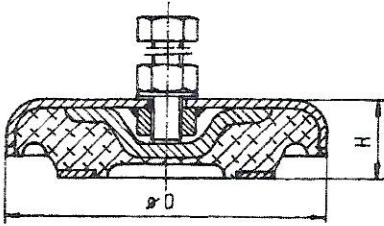


Figure 1. Cushion pad PM 120, PM 145, PM 175 for application with tool machines and other industrial equipment.

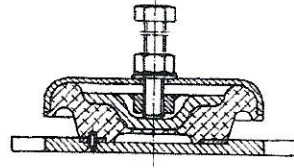


Figure 2. Adjusting of the cushion pad height: PM 120, PM 145, PM 175.

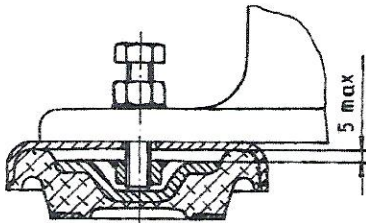


Figure 3. A case of extremely uneven floor. Approximate levelling is to be achieved through plates.

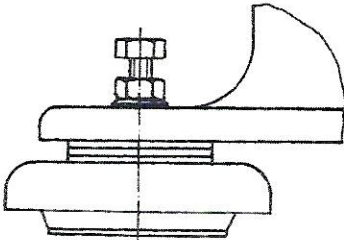


Figure 4. Cushion pads type BA are to be employed in case that the horizontal force of the machine exceeds the weight of the machine by 1/3.

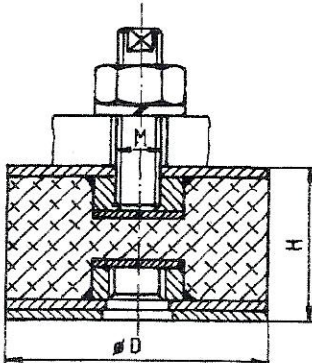


Figure 5. Cushion pads PM-100 and PM-70 for various power packs and compressors.

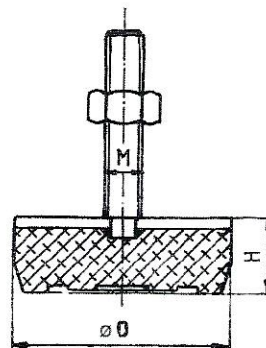


Figure 6. Cushion pads EPM-40 for washing machines lightweight instruments and various electronic devices.

Tables 1,2,3 and 4 contain data on various types of cushion pads determining which of them are to be used according to the conditions of application.

Table 1 Range of applications of cushion pads

MACHINE	Load per element in daN								
	PM 120/I	PM 120/II	PM 120/III	PM 145/I	PM 145/II	PM 145/III	PM 175/I	PM 175/II	PM 175/III
LATHE	od 180	od 320	od 400	od 450	od 550	od 650	od 700	od 780	od 900
MILLING MACHINE	do 300	do 450	do 600	do 550	do 825	do 1200	do 850	do 1250	do 1700
BORING AND DRILLING MACHINE	do 300	do 450	do 600	do 550	do 825	do 1200	do 850	do 1250	do 1700
GRINDING MACHINE	do 230	od 410	od 560	od 590	od 710	od 840	od 910	od 1000	od 1200
HONING MACHINE	do 380	do 580	do 780	do 700	do 980	do 1350	do 1000	do 1600	do 2200

Table 2 Maximum permissible load per element

LOAD PER ELEMENT IN daN								
PM 120/I	PM 120/II	PM 120/III	PM 145/I	PM 145/II	PM 145/III	PM 175/I	PM 175/II	PM 175/III
420	630	840	780	1200	1600	1200	1750	2250

Table 3. Application of cushion pads with eccentric presses

STROKES /MIN	load per element in daN								
	PM 120/I	PM 120/II	PM 120/III	PM 145/I	PM 145/II	PM 145/III	PM 175/I	PM 175/II	PM 175/III
100	200	320	400	480	600	720	880	1250	2000
120	160	260	320	380	480	560	700	1000	1600
150	110	190	210	270	340	390	500	700	1200
180	80	130	150	190	240	270	350	490	800
210	60	80	100	130	170	190	250	340	600

## Cushion pads dimension

Table 4

Part number	Code	D	H	M	Tvrdoća Sh°A				
PM-120/I	5-000.01	120	30	M12x1,5	60	L	L1	B	d
PM-120/II	5-000.02				70				
PM-120/III	5-000.03				80				
PM-145/I	6-000.01	145	36	M16x1,5	60				
PM-145/II	6-000.02				70				
PM-145/III	6-000.03				80				
PM-175/I	7-000.01	175	42	M20x1,5	60				
PM-175/II	7-000.02				70				
PM-175/III	7-000.03				80				
PM-120/I BA*	BA-5.010.01	120	33	M12x1,5	60	150	140	80	13
PM-120/II BA*	BA-5.010.02				70				
PM-120/III BA*	BA-5.010.03				80				
PM-145/I BA*	BA-6.010.01	145	44	M16x1,5	60	220	180	100	17
PM-145/II BA*	BA-6.010.02				70				
PM-145/III BA*	BA-6.010.03				80				
PM-175/I BA*	BA-7.010.01	175	50	M20x1,5	60	240	205	120	22
PM-175/II BA*	BA-7.010.02				70				
PM-175/III BA*	BA-7.010.03				80				
PM-100	910-001300	100	60	M12	70				
	910-001200			M16					
	910-001100			M20					
PM-70	910-001400	70	40	M14	70				
EPM-40	EPM-40M8	40	14	M8	80				
	EPM-40M10x1,25			M10x1,5					
	EPM-40M12			M12					

\*Cushion pads type BA are to be employed in case that the horizontal force of the machine exceeds the weight of the machine by 1/3 and are to be firmly tightened to the floor (Figure 4).