

- Characteristics : specially designed to absorb vibrations and shocks in both horizontal and vertical directions. Accurate height adjustment. High adhesion to the floor.
- Application : cutting-and bending machines for sheet metal. Injection molding machines for plastics. Lathes, cutting-and grinding machines. Machines for the textile and printing industry.

Table 1	Load applied per foot ( Kgf )						
	min.		max.		min.		
	Part. 701	Part. 702	Part. 703	Part. 701	Part. 702	Part. 703	
Min. rotation ( rpm ) or min. strokes/min	100	85	360	230	940	275	1420
	120	85	210	230	600	275	900
	140	85	180	230	560	275	820
	160	85	120	230	350	275	560
	180	85	95	230	290	275	440
	200			230	260	275	320
	220					275	305
	Zone of resonance ( do not use vibration absorbing elements )						
	1200	475	525	1140	1260	1710	1890
	1400	400	525	1040	1260	1650	1890
	1600	320	525	810	1260	1340	1890
	1800	240	525	640	1260	1080	1890
2000	180	525	490	1260	800	1890	
2200	140	525	440	1260	700	1890	
2400	120	525	380	1260	640	1890	
2600	100	525	300	1260	560	1890	
2800			240	1260	420	1890	
3000			200	1260	400	1890	
3500					300	1890	

#### When to use vibration absorbing feet

In case in a machine frequent "vibrations or shocks" occur, it will be necessary to use vibration absorbing feet instead of our standard feet.

Because of the natural characteristics of the rubber elements, the selection of the proper type is very important. In a certain range of vibrations or shocks a resonance will occur, in another range of vibrations the feet will not absorb any vibrations at all. It is therefore important to follow exactly our selection procedure.

#### Selection procedure

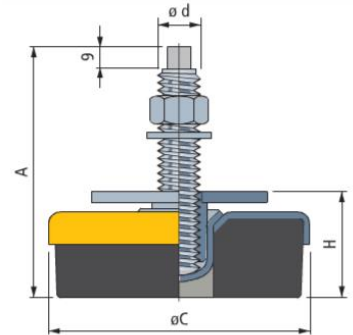
##### 1 ) Calculation of the load on each foot

In the following formula we have considered that the weight of the machine is divided equally over the feet :

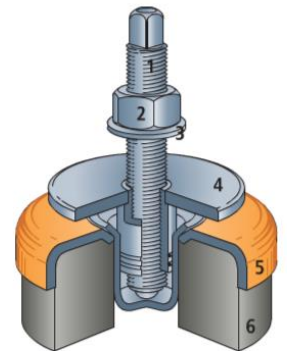
$$\frac{\text{Weight of the machine ( Kg )}}{\text{Number of feet}} = (\text{Kgf})$$

##### 2 ) Selection of the type of vibration absorbing foot - Table 1

The selection of the type of a vibration absorbing foot depends on the load on each foot and the lowest number of revolutions ( or number of shocks ) of the machine.



Components of the feet



- 1 - Adjustment bolt. Fine thread
- 2 - Locking nut. UNI 5588 - 65.
- 3 - Washer UNI 6592 - 69. DIN 125 A.
- 4 - Support plate. Adjustable in height.
- 5 - Reinforcement plate.
- 6 - Anti-slip in NBR rubber black ( 80 Shore ).

#### Examples of selection

##### 1 ) Support for a lathe

- Given data : - Weight of the lathe : 2200 Kg.  
- Minimum speed : 140 rpm.  
- Quantity of feet : 4.

Selection : the load on each foot is

$$\frac{2200}{4} = 550 \text{ Kgf}$$

According to table 1 Part. 702 should be taken.

##### 1 ) Supports for a metal press

- Given data : - Weight of the press : 3900 Kg.  
- Min. number of shocks : 120 strokes/min.  
- Quantity of feet : 6.

Selection : the load on each foot is

$$\frac{3900}{6} = 650 \text{ Kgf}$$

According to table 1 Part. 703 should be taken.

#### Mounting instructions

A ) Lift the machine. Position the footplate. B ) Mount the adjustment bolt with the nut and washer. C ) By turning the adjustment bolt further, the support plate will lift until the desired height has been reached. D ) Lock the adjustment bolt with the nut.

