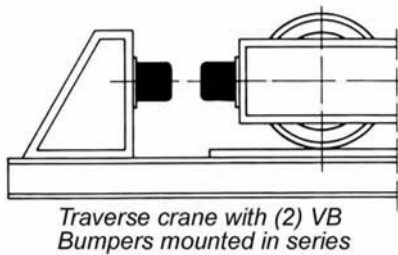
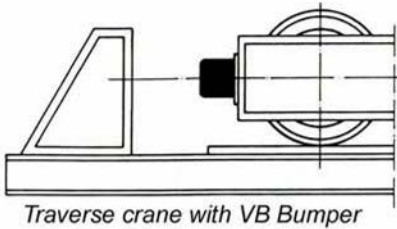


# Vibralastic Mount Type VB

## Vibration Isolator



For effective isolation of vibration and noise on machines with rotating elements.



Type	A	D	d	H	K	t	Wgt	F Max (N)
VB 50	50	50	7	43	70	3	0.2	8000
VB 75	80	80	9*	68	100	5	0.9	20000
VB 100	100	100	9	86	125	6	1.3	41000
VB 200	200	200	13	168	250	8	10.0	180000

Dimensions are in millimeters. Weights are in Kilograms.

\* Hole may be enlarged to 11mm diameter if required.

### USES

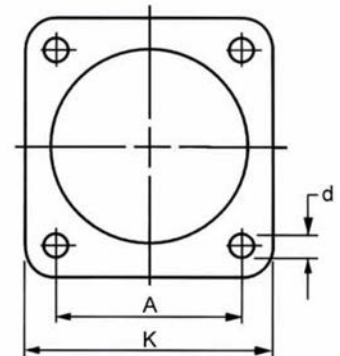
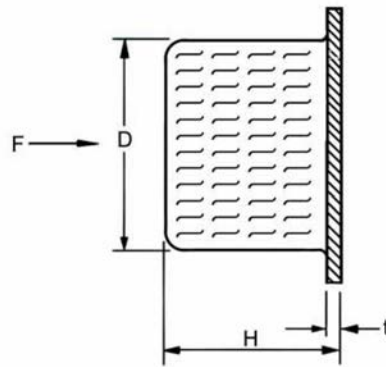
- Working Beams
- Falling Objects
- Forestry Vehicles
- Material Handling Equipment
- Traversing Cranes
- Wagons
- Lifting Cranes

### FEATURES

Bumper consists of a cylindrical rubber body which is bonded to a square shaped steel baseplate. All four corners of the baseplate contain a mounting hole.

A special high memory rubber is used to assure as much energy absorption as possible. The volume of the rubber is used at optimum efficiency.

For new equipment designs simpler and lighter calculated forces can be considered, thus achieving a lower cost installation.



## APPLICATION FORMULAS

$$E = \frac{m \cdot v^2}{2} \quad (1)$$

$$E = F \cdot s \quad (2)$$

$$F = m \cdot a \quad (3)$$

$$s = \frac{a \cdot t^2}{2} \quad (4)$$

$$v = \sqrt{a \cdot t} \quad (5)$$

$$v = \sqrt{2 \cdot a \cdot s} \quad (6)$$

$$v = \sqrt{2 \cdot g \cdot h} \quad (7) \text{ applicable in free fall}$$

Equations (4) thru (7) are applicable for initial velocity = 0

E = energy in Nm  
 m = mass in kilograms  
 v = velocity in meters/second (m/s)  
 F = force in Newtons  
 s = distance in meters  
 a = acceleration in m/s<sup>2</sup>  
 t = time in seconds  
 g = acceleration due to gravity 9.81 m/s<sup>2</sup>  
 h = height in meters  
 d = spring travel in meters

Mp = mega pascals  
 kN = kilo newtons  
 Kpm = kilo pascal meters  
 Nm = newton meters  
 mm = millimeters

