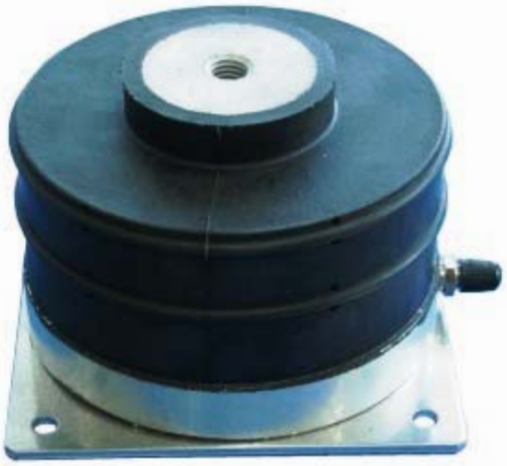
ISO 9001
BUREAU VERITAS
Certification

TEJASA
Vibration Isolation
Systems & Technology

SILENTFLEX® PNEUMATIC ISOLATORS

The **Silentflex® pneumatic isolation dampers** are low frequency vibration and shock isolators which provide both attenuation of disturbing vibration and equipment leveling.



APPLICATIONS & CHARACTERISTICS

For vibration control applications, the pneumatic portion of these mounts provide significant reduction of vibration occurring at frequencies above 5.0 Hz.
These mounts will continue to isolate with no pressure having a vertical natural frequency of approximately 10.0 Hz.
The vertical to horizontal natural frequency ratio is approximately 1:1 with a degree of horizontal stability.
For shock or impact applications, the outer elastomeric wall construction provides a high deflection shock mount. A low natural frequency (3.0 Hz) can be maintained by utilizing an external spacer to prevent a “bottom out” condition.

SILENTFLEX® vibration control

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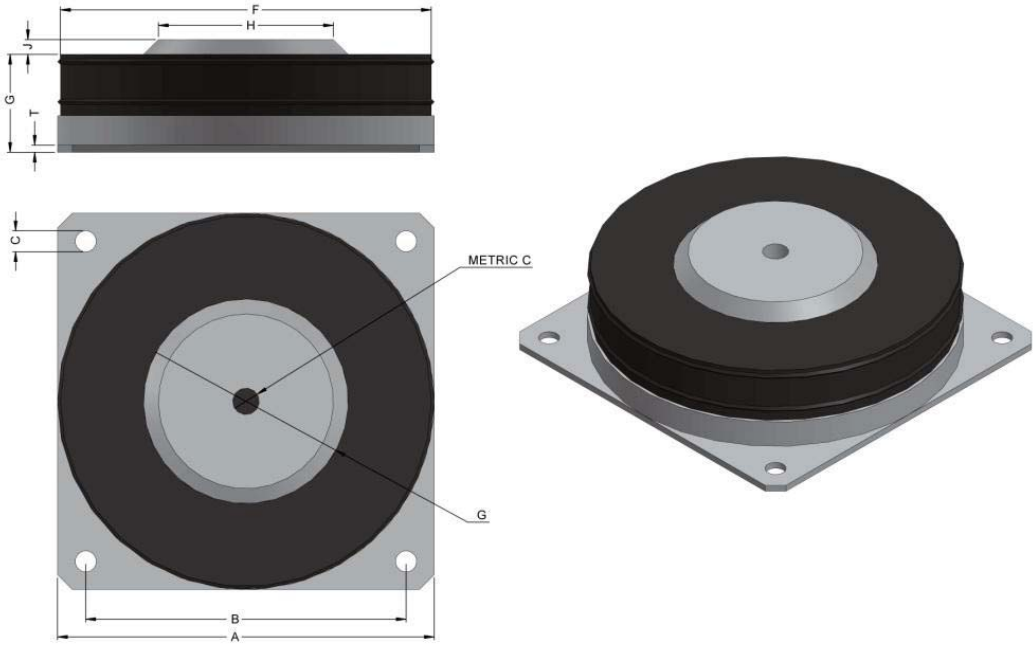
CYLINDRICAL

Shape:



Referencia	A	B	METRIC	Ø C	Ø F	G	Ø H	J	T	Carga máxima	Peso	Fr.
	mm	mm		mm	mm	mm	mm	mm	mm	Kg	Kg	Hz
969001-01	76,2	60,40	M10	6,90	73,20	63,5	25,4	12,7	3,2	45	0,24	10
969001-02	106,4	88,90	M12	6,90	105,20	62,2	44,4	12,7	3,2	136	0,49	10
969001-03	130	108,00	M12	7,40	126,70	88,9	54,1	14,2	3,2	272	1,1	10
969001-04	174.8	152.4	M12	7.4	171,2	88,9	76,2	14,2	3,2	544	1,84	10
969001-05	254	215,90	M16	14,20	245,40	88,9	138,2	14,2	4,8	1089	4	10
969001-06	342,9	304,80	M16	14,20	338,10	88,9	190,5	14,2	4,8	2177	12	10

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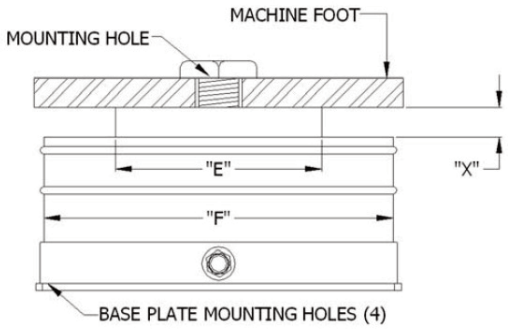
INSTALLATION INSTRUCTIONS

NOTE 1:
Do not inflate isolation mounts unless static weight of equipment is placed on the mounts. Equipment foot should cover the entire surface of the mount. If not, a plate of diameter "F" should be placed between the foot and the mount.



NOTE 2: Do not use isolation mounts under static loads greater than the indicated maximum (see Chart A).

Chart A	Static Load (Kg)
969001-01	45
969001-02	135
969001-03	250
969001-04	540
969001-05	1090
969001-06	2160

NOTE 3: IMPORTANT: Do not pressurize isolation mounts above indicated maximum pressure in Chart B - Check pressure with pressure gauge.

Chart B	Bar
969001-01	4.1
969001-02	4.1
969001-03	6.1
969001-04	6.1
969001-05	6.5
969001-06	6.5

NOTE 4: Deflate isolation mounts before moving or relocating equipment.

NOTE 5: Support base of machine should be level within +/- 3mm before inflating isolation mounts

SILENTFLEX® vibration control

INSTALLATION INSTRUCTIONS

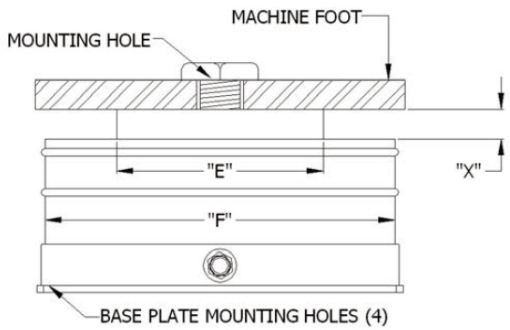
INSTALLATION:

1. Place isolation mounts beneath equipment to be isolated and insert bolt engaging threads in mounting hole.
2. If securing isolation mount to its support, install bolts through holes provided in mount base plate. Tighten all bolts.
3. Sequentially pressurize each mount through valve until dimension "X" is 1 mm.
4. Continue sequential pressurization of each mount so that dimension "X" increases in increments of approximately 3 mm until "X" is between 12 mm - 14 mm.

LEVELING:

1. Insert or bleed air to raise or lower the height of each isolation mount until desired level is reached.
2. Check each mount for overall height indicated in Chart C. If beyond this range, repeat pressurization/bleed process until height and desired level is reached.

Chart C	Overall Height (mm)
969001-01	63 +/- 3 mm
969001-02	63 +/- 3 mm
969001-03	89 +/- 6 mm
969001-04	89 +/- 6 mm
969001-05	89 +/- 6 mm
969001-06	83 +/- 6 mm



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