



Anti-Vibration Mounts (AV's)

Addendum to
I&M 671220

IMPORTANT

WARNING: AV mounts must only be subjected to compressional forces and MUST NOT be used in a configuration that places these parts under tension or shear force.

1.0 Introduction

Anti-vibration mounting kits are available in both rubber and spring type, the correct selection and type employed will depend on the accurate calculation of the weight of the assembly to be supported.

2.0 Installation

AV mounts should not be fitted to a fan/silencer assembly unless there are flexible connectors fitted between the assembly and associated duct work. AV mounts should be installed with the matched mounting feet and positioned such that they carry an equal proportion of the assembly weight. This is particularly important where fans and silencers are installed on suspension rods.

Figure 1. NAV1 to NAV5 (Resilient Rubber)

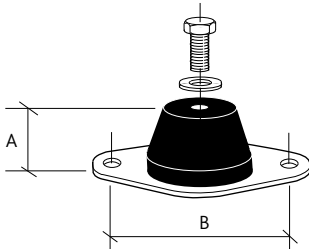


Figure 2. NAV6 (Resilient Rubber)

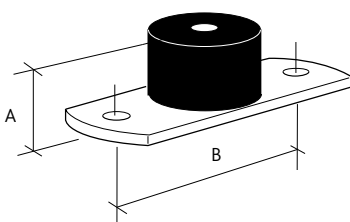
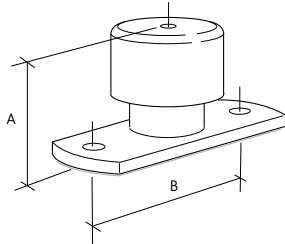


Figure 3. NAV37 to NAV58 (Spring)



IMPORTANT

AV mounts isolate the fan only.

Silencers/ backdraught dampers and other "significant mass" accessories should form part of the fixed ductwork after the flexible connection.

3.0 Resilient Mounting Details (Example)

NAV 1 to NAV 5 shown in floor (Figure 4) and suspended configurations (Figure 5). Fans using size NAV 6 upwards require supporting steelwork to be designed (by others) for suspended applications.

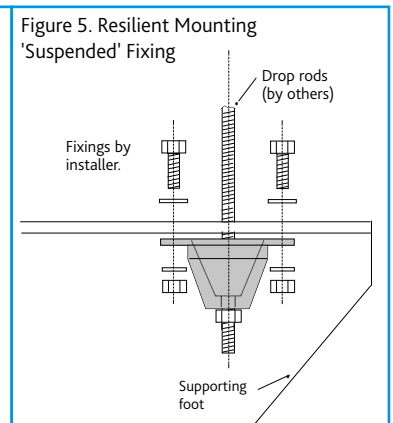
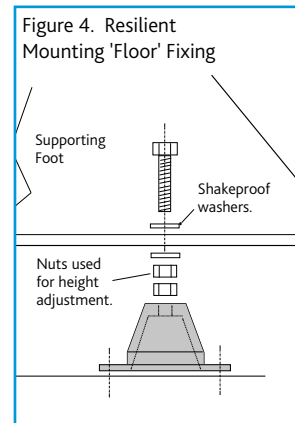
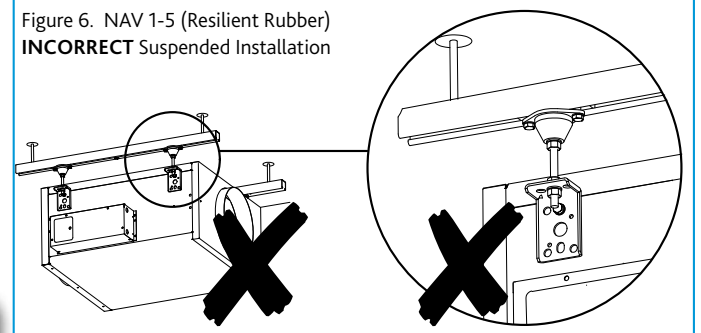


Figure 6. NAV 1-5 (Resilient Rubber) **INCORRECT** Suspended Installation



4.0 Dimensions and Weights

4.1 Rubber Type

Code	Type	Max. Supporting Weights (Kg)	A (mm)	B (mm)
nav1	rubber	20	30	50
nav2	rubber	83	40	75
nav3	rubber	187	40	75
nav4	rubber	270	40	75
nav5	rubber	135	40	75
nav6	rubber	330	50	100

4.2 Spring Type

Code	Type	Max. Supporting Weights (Kg)	A (mm)	B (mm)
nav37	spring	20	59	55
nav38	spring	35	59	55
nav39	spring	45	59	55
nav40	spring	50	59	55
nav41	spring	65	59	55
nav42	spring	75	59	55
nav43	spring	90	59	55
nav44	spring	110	59	55
nav45	spring	120	59	55
nav46	spring	155	77	76
nav47	spring	240	77	76
nav48	spring	315	77	76
nav49	spring	400	77	76
nav50	spring	480	77	76
nav51	spring	520	77	76
nav52	spring	600	87	127
nav53	spring	700	87	127
nav54	spring	800	87	127
nav55	spring	950	87	127
nav56	spring	1110	87	127
nav57	spring	1270	87	127
nav58	spring	1430	87	127

5.0 Maintenance

AV mounts are maintenance free but a periodical inspection is recommended to check security of fixings and condition of rubbers and springs.