

InfiniSpring® –Acoustic Wall Tie 94NA



Product Description	
Connection 1	Nail plate
Connection 2	Anchor bolt / Nail
Dimensions	W94, H120, T35 (mm)
Material	Steel
Yield strength (EN14195)	Min. 650 MPa
Corrosion protection	Zinc
Natural Frequency range	8.5 – 12.3 Hz
Operating temperature range	-40 - +200 °C
Reaction to fire (EN14195)	Class A1
Durability (EN14195)	Class B
Environmental impact (EN14195)	No

DESCRIPTION

Acoustic wall tie 90° angled for resiliently installed gypsum board walls. Fastened using nail plate and bolt. Very high noise and vibration isolation performance.

INSTALLATION

1. Bolt 94NA wall ties using suitable method to the rigid wall using below table.
2. Connect 94NA wall ties to the resilient wall vertical studs from the nail plates using suitable method.
3. Assemble gypsum board wall normally using manufacturer’s instructions.

Installation height example using below table:

- STUD SPACING k600
- WALL HEIGHT 6 METERS
- 3 LAYERS OF GYPSUM BOARDS, WEIGHT 37 KG/M2
- ➔ ACOUSTIC WALL TIES AT THE TOP, 4.5 M HEIGHT, 3 M HEIGHT AND 1.5 M HEIGHT.
(Last row in the table below)

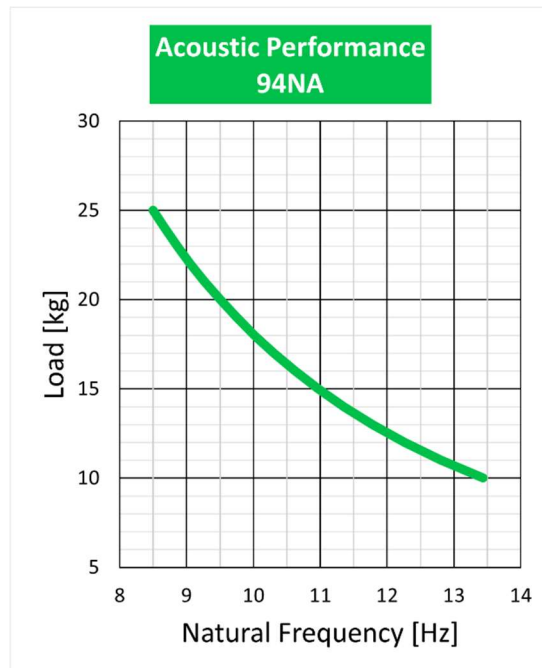
Acoustic wall tie installation heights, stud spacing k600 example			
Gypsum board [pcs]	Weight [kg/m2]	Wall height [mm]	Installation heights (*)
~2-3	20-35	max 3750	From top (100%) + 1/2 (50%)
~3-4	35-40	max 3750	From top (100%) + 1/2 (100%)
~2-3	20-35	3750-5000	From top (100%) + 2/3 (100%) + 1/3 (50%)
~3-4	35-40	3750-5000	From top (100%) + 2/3 (100%) + 1/3 (100%)
~2-3	20-35	5000-6250	From top (100%) + 3/4 (100%) + 2/4 (100%) 1/4 (50%)
~3-4	35-40	5000-6250	From top (100%) + 3/4 (100%) + 2/4 (100%) 1/4 (100%)

*Example ½ (50%): Every second stud supported from the half height

NOTE

Acoustic wall ties shall not carry the weight of the resilient gypsum board wall, but the gypsum board wall weight shall be carried resiliently. To guarantee acoustic performance of the gypsum board wall the wall as a whole need to be fully resilient and fully sealed.

ACOUSTIC PERFORMANCE

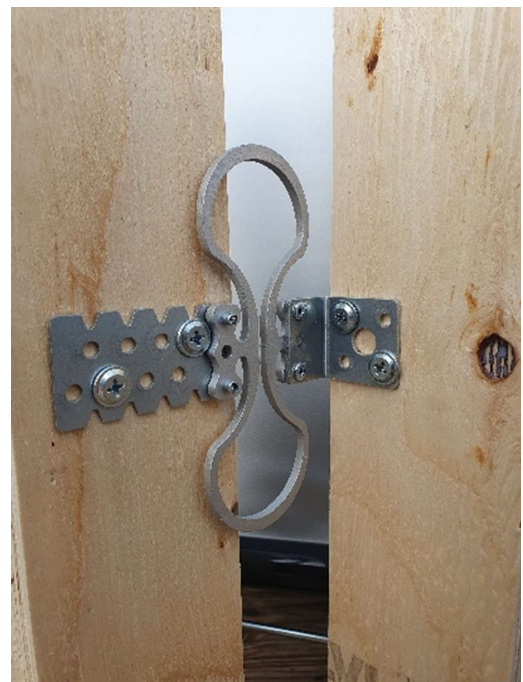


RECYCLING

Product is 100 percent steel and can be recycled together with other steel scrap.

MANUFACTURER

Labrys Oy / InfiniSpring
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 66370 Närviöjoki
 Finland



94NA between two laminated veneer lumber beams