

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

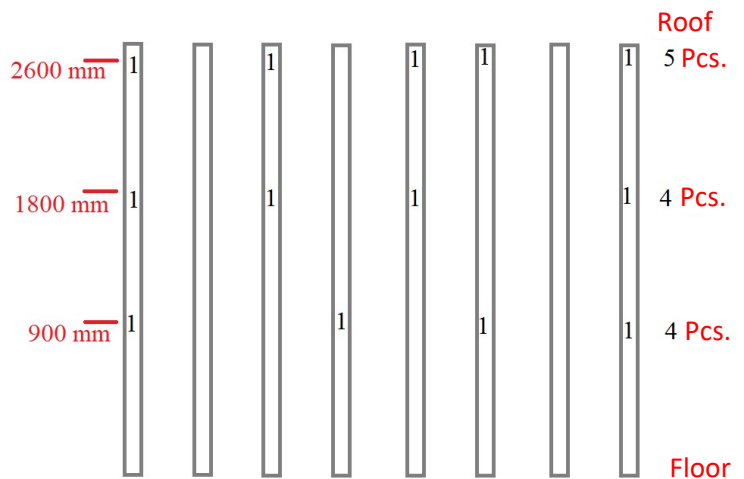
Acoustic wall tie 90° angled for resiliently installed gypsum board walls. Fastened using nail plate and bolt. Very high noise and vibration isolation performance.

INSTALLATION

1. Bolt 94NA wall ties using suitable method to the rigid wall and using next to shown tables and picture.
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.

AMOUNT OF WALL TIES [pcs/m ²]	
Wall weight [kg/m ²]	pcs
10-15 (~ 1 gypsum board)	1
15-25 (~ 1-2 gypsum boards)	1
25-35 (~ 2-3 gypsum boards)	1,5
35-50 (gypsum boards + extra weight)	2
50-75 (gypsum boards + extra weight)	3

INSTALLATION HEIGHTS	
Wall height [m]	Installation heights from the floor
2-3	1/3, 2/3, 3/3
3-4	1/3, 2/3, 3/3
4-5	1/4, 2/4, 3/4, 4/4
5-6	1/4, 2/4, 3/4, 4/4
6-7	1/5, 2/5, 3/5, 4/5, 5/5

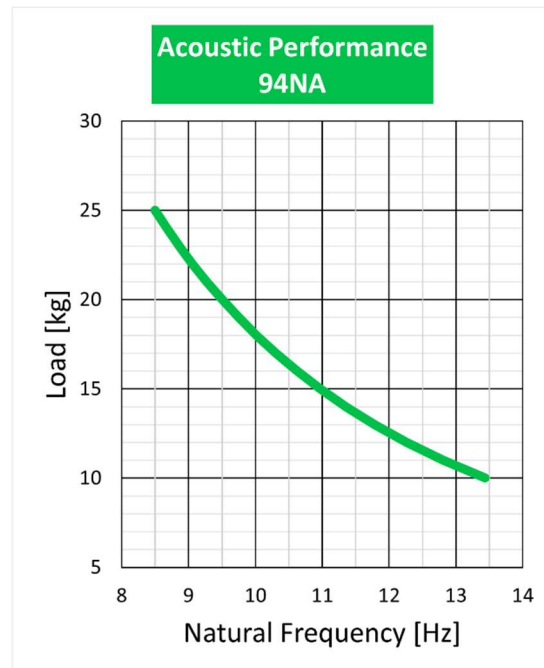


Picture shows one example of possible wall tie installation selection for a 13 m² size gypsum board wall. Gypsum board weight is 20,4 kg/m² (2 x 10,2 kg/m²). According to the table recommended amount of wall ties is 13 (1 pcs/m²). Recommendation is to install wall ties as evenly based as possible to installation heights 1/3, 2/3 and 3/3.

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

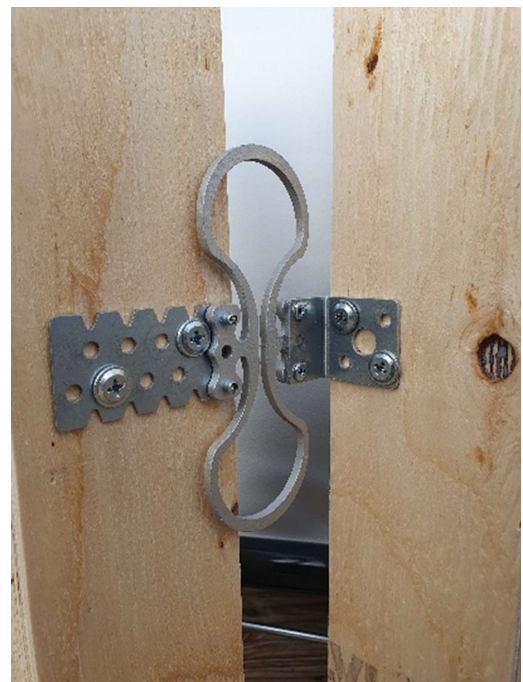


RECYCLING

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

MANUFACTURER

Labrys Oy / InfiniSpring
 Uuspilajantie 19
 66370 Närviöjoki
 Finland



94NA between two laminated veneer lumber beams