



DESCRIPTION

The Phonotech® DK140 element is based on the floating roof principle through its **spring batten** providing a mass-spring-mass effect. Due to its RD140 start and end battens, the Phonotech DK140 system forms an intuitive complete roofing assembly. This decoupling will block any transfer of vibrations through its shock absorbing effect and will provide optimum sound reduction.

INSTALLATION

Due to their light weight, Phonotech elements can be installed by **one person alone**. The intuitive Phonotech attachment system guarantees **easy and fast** assembly.

APPLICATION

The Phonotech® DK140 acoustic system can be laid both on flat **roofing** and **sloped roofing**.

FINISHES

Most of our acoustic systems are tested without a finishing coat (sealing, tiles, etc.) This gives the customer **total freedom** on the choice of roof finish to be applied.

ACCESSORIES

All the accessories needed to assemble the Phonotech DK140 acoustic system (such as retaining profiles, separating tape, acrylic putty, fasteners, etc.) can be supplied on request.

COMPOSITION OF PHONOTECH DK140

1. A spring batten:
 - 20 mm acoustic polyurethane foam
 - A 10 mm coco mat
 - A treated wooden nailer
2. 140 mm specific density stone wool
3. 22 mm waterproof chipboard panel

ACOUSTIC PERFORMANCES

The Phonotech DK acoustic system guarantees **highly efficient sound insulation** relying on extensive laboratory testing subsequently confirmed by **on-site measurements**.

The Phonotech panel's acoustic performances, depending on implementation on different supports (TAB106, perforated sheets, wood, etc.), are given on the system sheets.

Dimensions (mm)			Thermal resistance (m ² .K/W)	Weight (item)	Weight (kg/m ²)
Length	Width	Thickness			
1200	600	162	4,12	18,87	26,21

ADDRESS

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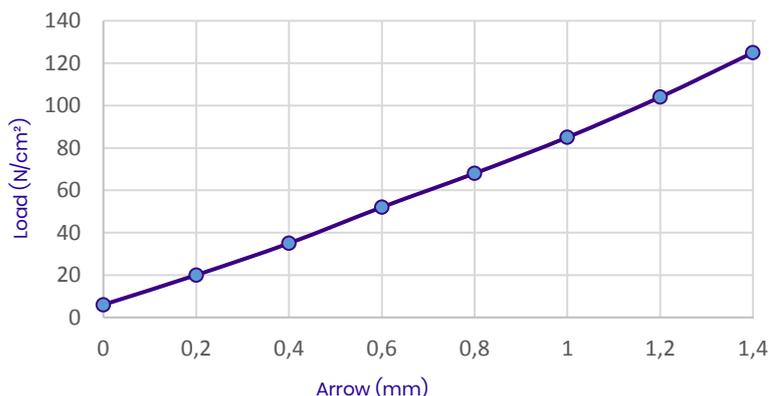
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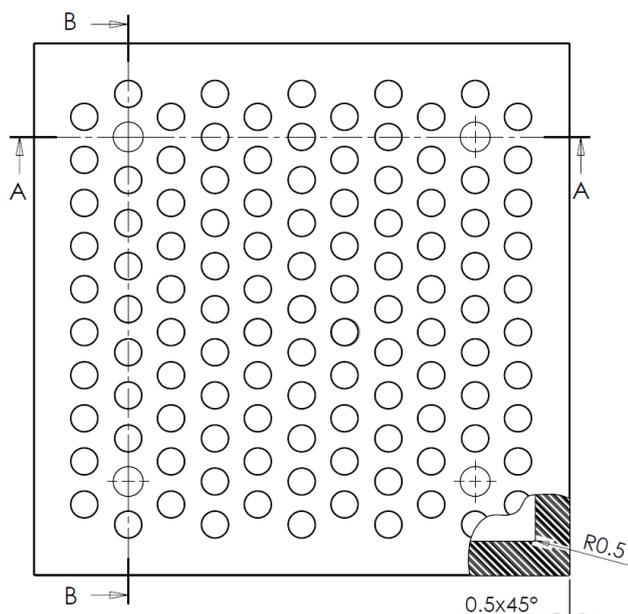
DESCRIPTION

The acoustic pads **Phono-Pads** are used as part of TP90-DK140-UArena and TP90-DK140-UArenaBis acoustic systems, to ensure an optimal sound insulation between the primary frame and secondary frame.

They are combined with **Phono-Washers** acoustic washers to avoid rigid contact at the fasteners.



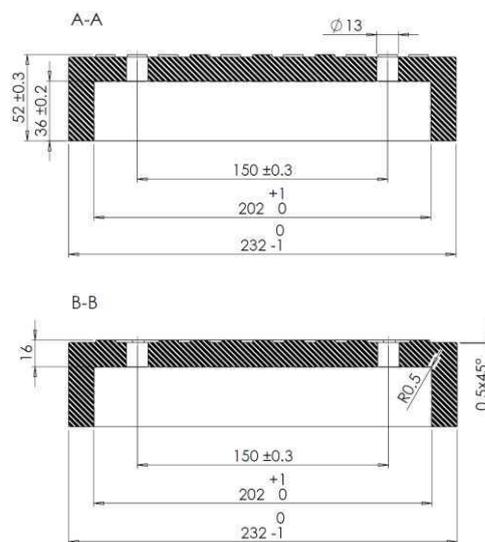
The pads offer a durable protection against vibration, They are slip resistant and abrasion resistant.



CHARACTERISTICS

- Durable insulation and elasticity
- Good performance at low frequencies thanks to the reliefs good oil- and other aggressive fluid-resistance
- Hardness: 80° shore
- Relief yield up to the maximum 5.000 daN
- Maximal charge : 20.000 daN

The plate's reliefs permits to reduce the contact's surface. This makes it possible to locally increase the pressure on the pad and therefore to increase the acoustic insulation of the product. In case of overload, the reliefs break totally and the damper works like a plate without relief. The yield of the relief's consideration gives a safety because it limits the overload.



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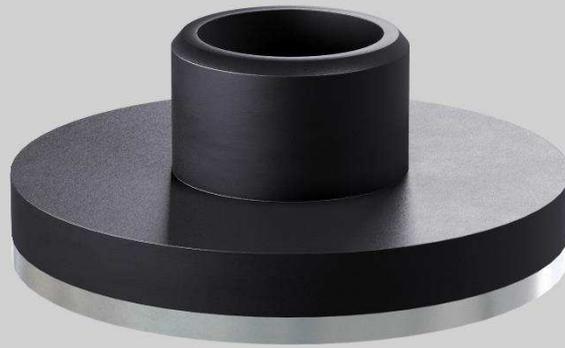
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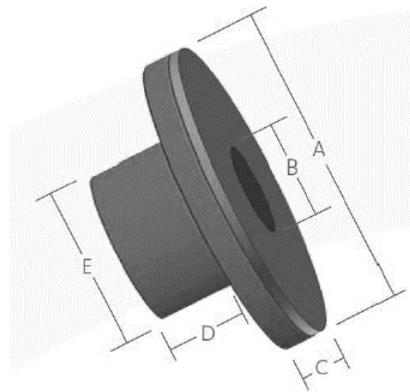
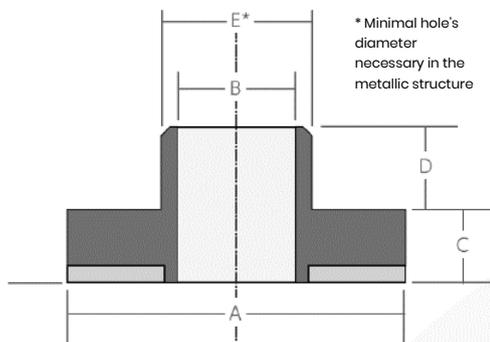
DESCRIPTION

The acoustic washers **Phono-Washer** are used as part of TP90-DK140-UArena and TP90-DK140-UArenaBis acoustic systems, to ensure an optimal sound insulation between the primary frame and secondary frame.

They are combined with **Phono-Pad** acoustic pads and avoid rigid contact at the fasteners.

CARACTERISTICS

- Material : CR rubber and zinc-pated steel
- Material's bonding : By Vulcanisation
- Hardness CR : 85 +/- 5° Shore



				Normal application				Maximal charges		
A	B	C	D	E (∅ of the mini hole in the metal structure)	Normal tightening couple	Laps' number (standard metric thread)	Static deflection	Maximal tightening couple	Laps' number (standard metric thread)	Static deflection
mm	mm	mm	mm	mm	Nm	-	mm	Nm	-	mm
40	13	6,5	10	16,5	18	1/4	0,4	27	1/3	0,6