



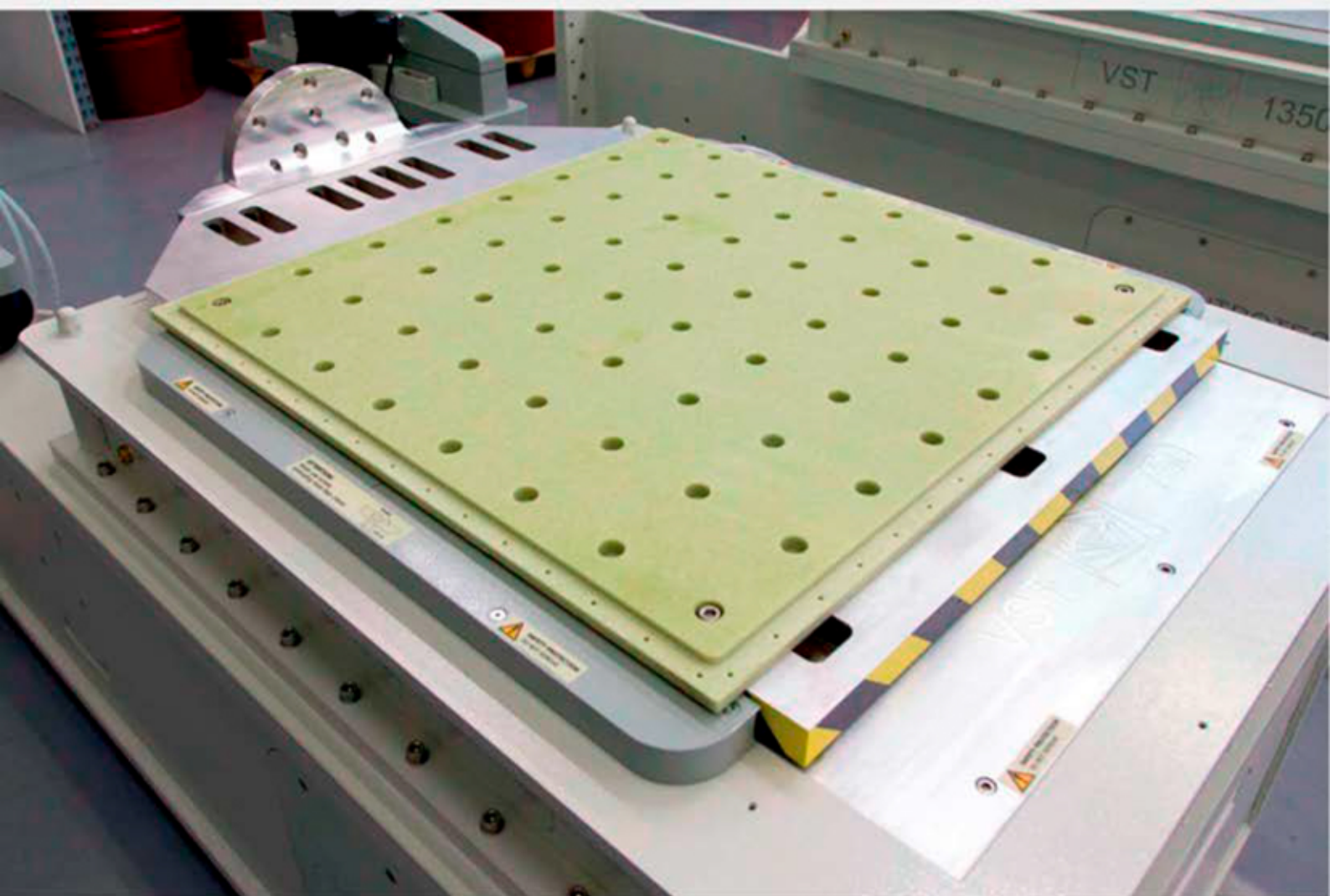
↘ THERMAL BARRIERS

Purpose : to limit the thermal transmission to the vibration system.

Thermal barriers are designed for shaker armatures, slip tables, expanders, etc.

Key features:

- Material = fiberglass (HT220)
- Thermal range = up to + 220 °C
- Thermal conductivity = 0.22 W / mK
- Customized hole insert patterns and thread sizes available upon request



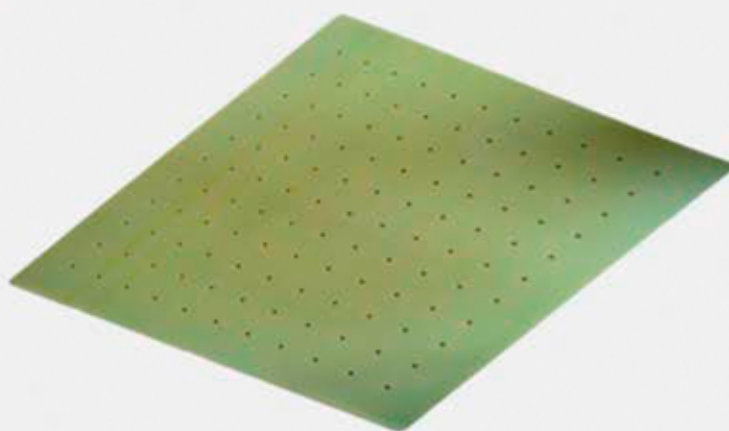


STANDARD THERMAL BARRIERS

The standard Thermal Barrier is the basic element for the insulation, drilled with passing-through holes at the armature/expander/slip table insert's pattern; there is no sealing groove for fixing the textile sheet or drainage system.

Thermal barriers are typically installed on shaker armatures, interface plates, extenders or expanders to cover the working surface.

Centrotecnica can supply both round and square thermal barriers, with carved serial number.



Thermal barrier Kit includes:

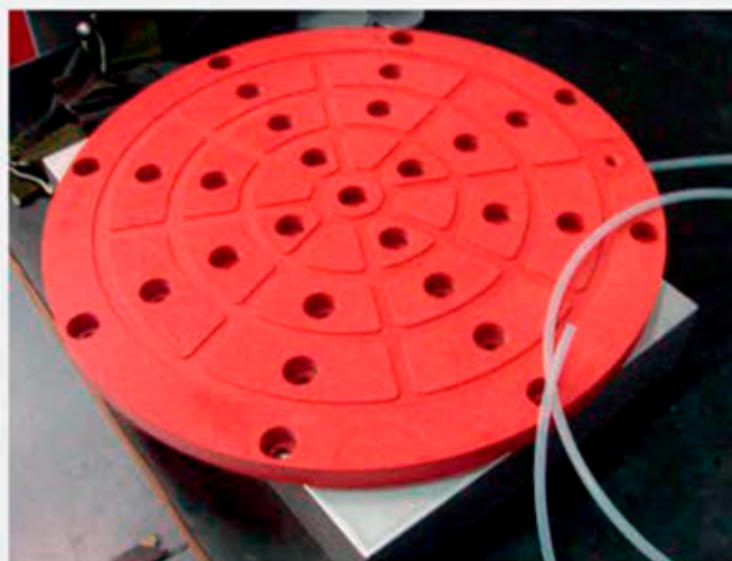
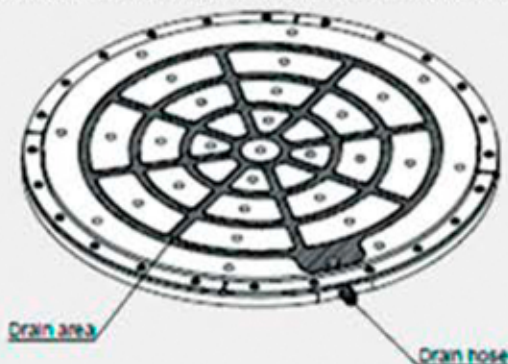
- full mounting kit with screws and tools
- technical user manual
- certification document
- aluminium bars (optional)
- drain pipe (optional)
- textile cover sheet (optional)

SPECIAL THERMAL BARRIERS

Upon request, following options are available on each thermal barrier:

➤ **option "drain system"**

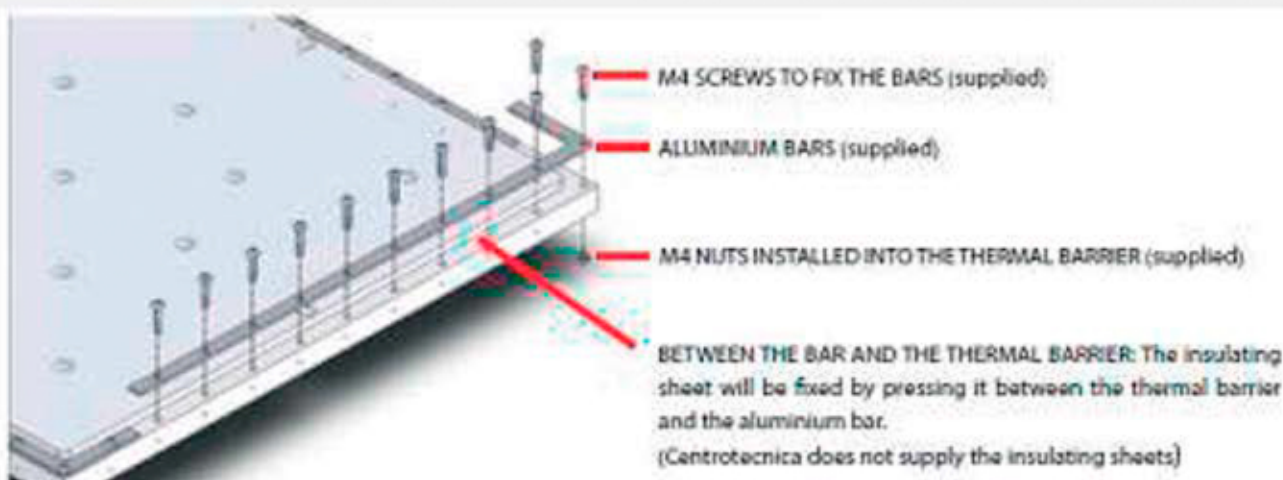
a special grooving for water drainage and a drain hose. This system is conceived to allow the water of the condensation to be canalized and poured out; to avoid the water to stay underneath the expander or drop onto the shaker and prevent corrosion.





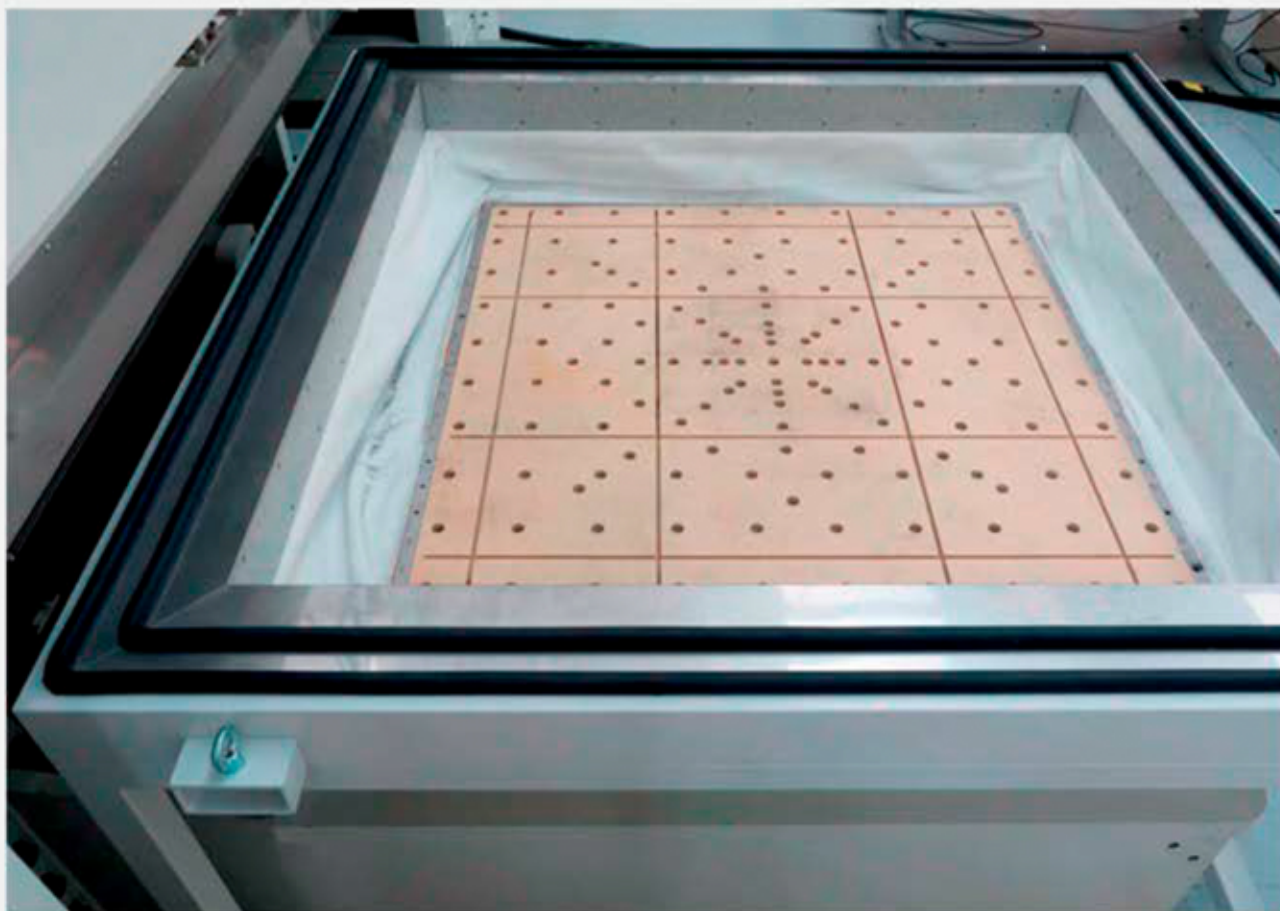
➤ **option "easy fixing"**

a seat along the perimeter to allow the textile sheet to be fixed by using M4 tapped holes and suitable aluminium bars.



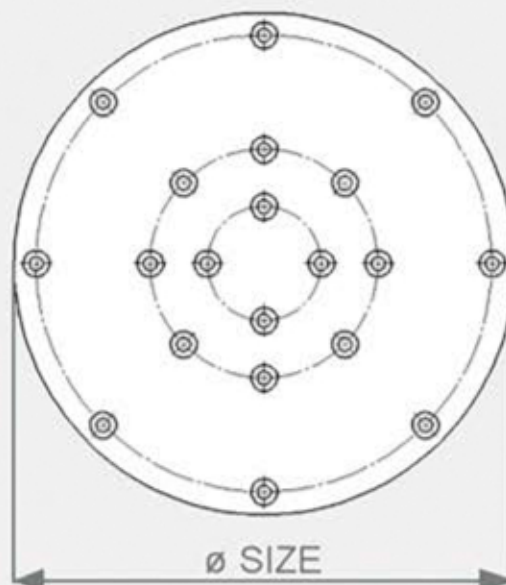
➤ **option "orthogonal grooves"**

A special machining of the thermal barrier for the slip table, in order to reduce the table bending due to thermal expansion of the test fixture

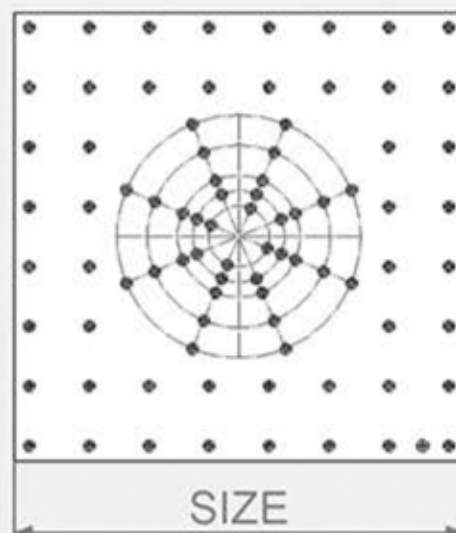


**TECHNICAL SPECIFICATIONS - STANDARD THERMAL BARRIERS**

Shape	Size	Thickness	Weight $\pm 5\%$
Round	Ø 65 mm	20 mm	0.1 kg
Round	Ø 114 mm	20 mm	0.4 kg
Round	Ø 128 mm	20 mm	0.5 kg
Round	Ø 150 mm	20 mm	0.7 kg
Round	Ø 174 mm	20 mm	0.9 kg
Round	Ø 180 mm	20 mm	1 kg
Round	Ø 190 mm	20 mm	1.1 kg
Round	Ø 200 mm	20 mm	1.2 kg
Round	Ø 240 mm	20 mm	1.7 kg
Round	Ø 290 mm	20 mm	2.5 kg
Round	Ø 320 mm	20 mm	3.1 kg
Round	Ø 335 mm	20 mm	3.3 kg
Round	Ø 400 mm	20 mm	4.8 kg
Round	Ø 440 mm	20 mm	5.8 kg
Round	Ø 560 mm	20 mm	9.4 kg
Round	Ø 610 mm	20 mm	11.1 kg
Round	Ø 640 mm	20 mm	12.2 kg
Round	Ø 700 mm	20 mm	14.6 kg
Round	Ø 750 mm	20 mm	16.8 kg
Round	Ø 812 mm	20 mm	19.7 kg



Shape	Size	Thickness	Weight $\pm 5\%$
Square	300 x 300 mm	20 mm	3.4 kg
Square	400 x 400 mm	20 mm	6.1 kg
Square	500 x 500 mm	20 mm	9.5 kg
Square	600 x 600 mm	20 mm	13.7 kg
Square	640 x 640 mm	20 mm	15.6 kg
Square	750 x 750 mm	20 mm	21.4 kg
Square	800 x 800 mm	20 mm	24.3 kg
Square	900 x 900 mm	20 mm	30.8 kg
Square	1000 x 1000 mm	20 mm	38 kg
Square	1200 x 1200 mm	20 mm	54.7 kg
Square	1350 x 1350 mm	20 mm	69.3 kg
Square	1400 x 1400 mm	20 mm	74.5 kg
Square	1500 x 1500 mm	20 mm	85.5 kg
Square	2000 x 2000 mm	20 mm	152 kg



The weight may increase by 10 % in case of special thermal barriers

An approval design is shared with the customer before the production starting.

