IWMI

# mSystem
# Modular

**IWWI**

UNC is probably the only one company in Cyprus that, along with supply and manufacturing, provides Designing and Installation, from experienced Acoustic Consultants and Installers respectively. Moreover, UNC has acoustic material in stock and the probably only one in Cyprus, brand-new showroom with exclusively acoustic materials and systems.

**URBAN
NOISE
CONTROL**

# mSystem Modular

A modular ceiling system, a lightweight hanging baffle system made by 100% recycled PET, which can be placed to ceiling and provide significant sound absorption and desired aesthetics, within various types (private, special, commercial) of rooms.

The system can act as a false ceiling in a space/room and integrate in between/above of it, services as HVAC units, lights, fire water sprinklers, speakers and others.

The M-SYSTEM is guaranteed to bring a visually eye-catching ceiling solution to any project, through a cost-effective solution.

**URBAN NOISE CONTROL**
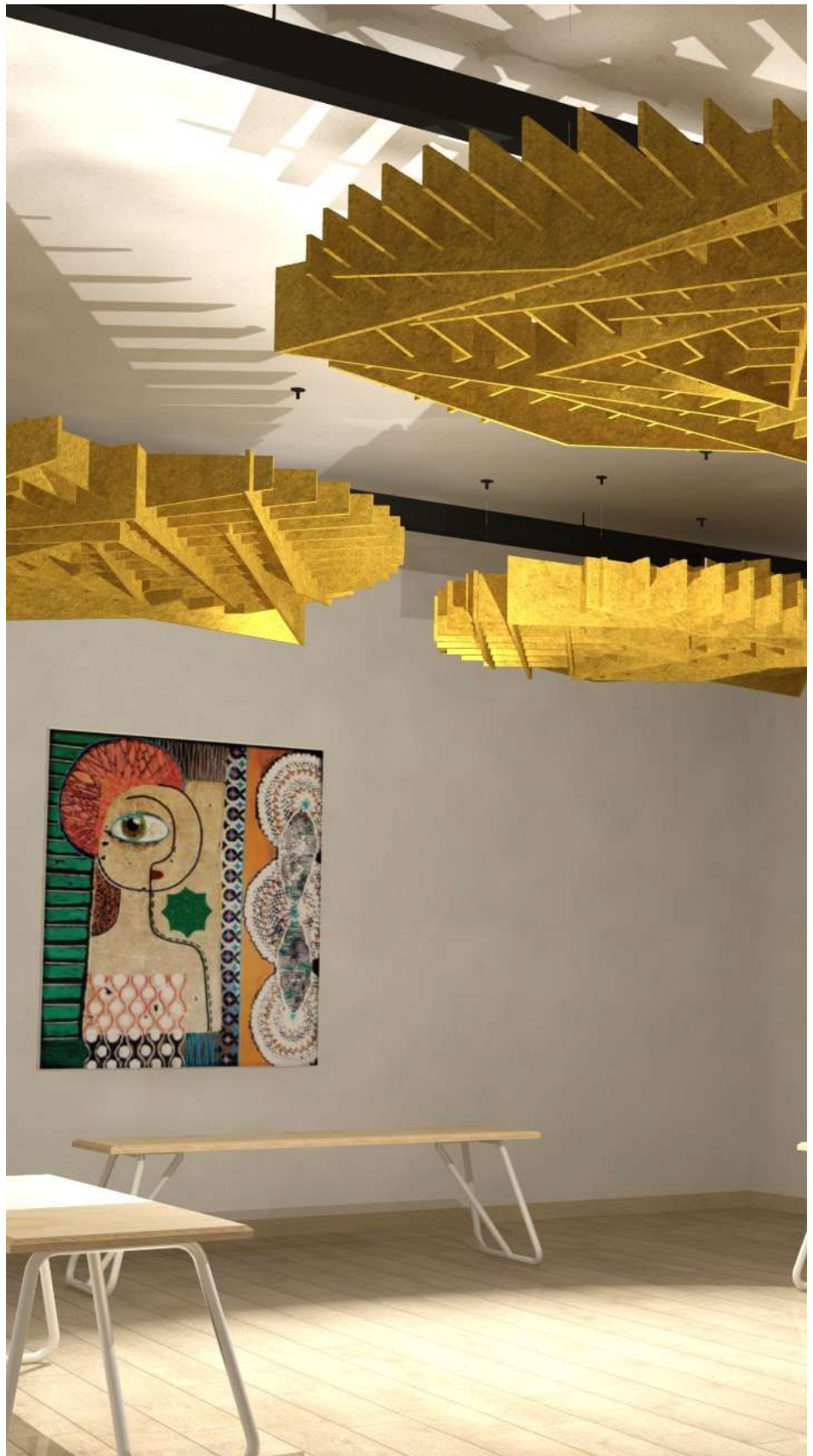
# DESIGNING AND INSTALLATION

Apart from being suppliers and manufactures,
UNC provide Designing and Installation services.

A specialised team of Acoustic Consultants
and an experienced team of Acoustic
Materials/systems Installers could carry out
an end-to-end service for Acoustic treatment.

## PRODUCT AVAILABILITY AND SAMPLES

UNC always have stock of the product and samples
of each one of it. Feel free to contact us, in order
to setting up a meeting in our showroom.



## SPECIFICATIONS

### MAINTENANCE
It can be cleaned by using
a dust broom, a vacuum cleaner
or a hard-wrung cloth.

### SUSTAINABILITY
Those panels are made from
sustainable materials. Panels
are made from 100% polyester
fiber. Containing a minimum
of 75% post-consume recycled
material (PET bottle-flake).

### NON TOXIC
BS EN 717-1  E0 Formaldehyde-
free environmental test.
It does not contain chemical
binders including formaldehyde
and support safer indoor air quality.

### FLAME RETARDANT
Class B-s1, d0 [EN-13501-1]

## URBAN NOISE CONTROL

# MATERIAL

## POLYESTER FIBER

100% made from
recycled PET

| | | | | | |
|---|---|---|---|---|---|
| U-01 | U-02 | U-03 | U-04 | U-05 | U-06 |
| U-07 | U-08 | U-09 | U-10 | U-11 | U-12 |
| U-13 | U-14 | U-15 | U-16 | U-17 | U-18 |
| U-19 | U-20 | U-21 | U-22 | U-23 | U- 24 |
| U-25 | U-26 | U-27 | U-28 | U-29 | U-30 |
| U-31 | U-32 | U-33 | U-34 | U-35 | U-36 |
| U-37 | U-38 | U-39 | U-40 | U-41 | U-42 |
| U-43 | U-44 | U-45 | U-46 | U-47 | U-48 |
| U-49 | U-50 | U-51 | U-52 | U-53 | U-54 |
| U-55 | U-56 | U-57 | U-58 | | |

# URBAN
# NOISE
# CONTROL

# URBAN
# NOISE
# CONTROL

# STANDARD DIMENSIONS AND TYPES

## CROSS MODULAR

**Module sizes:**
1060x1060mm &
2120x2120mm

**Baffles Thickness:**
12mm

**Hanged method:**
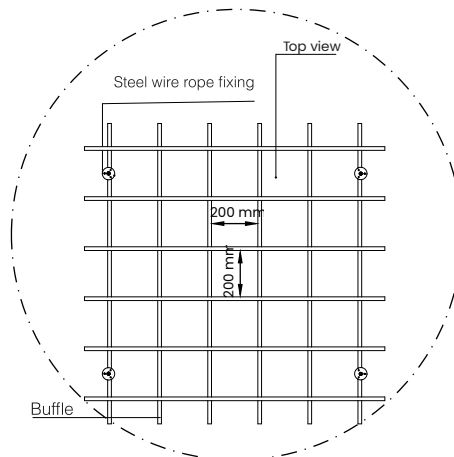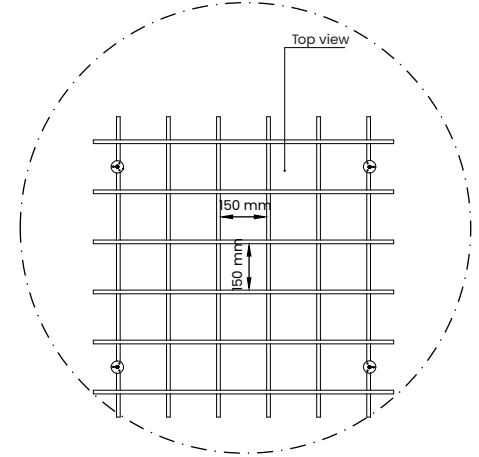Galvanised steel hook
and wire rope

**Hanged height:**
Flexible (according to needs)



Hanger hole

Steel wire rope fixing

Acoustic buffles

Buffles connection with groove

CROSS MODULAR 0.1



Steel wire rope fixing

Top view

200 mm

200 mm

Buffle

CROSS MODULAR 0.2



Top view

150 mm

150 mm

**URBAN NOISE CONTROL**

**URBAN
NOISE
CONTROL**
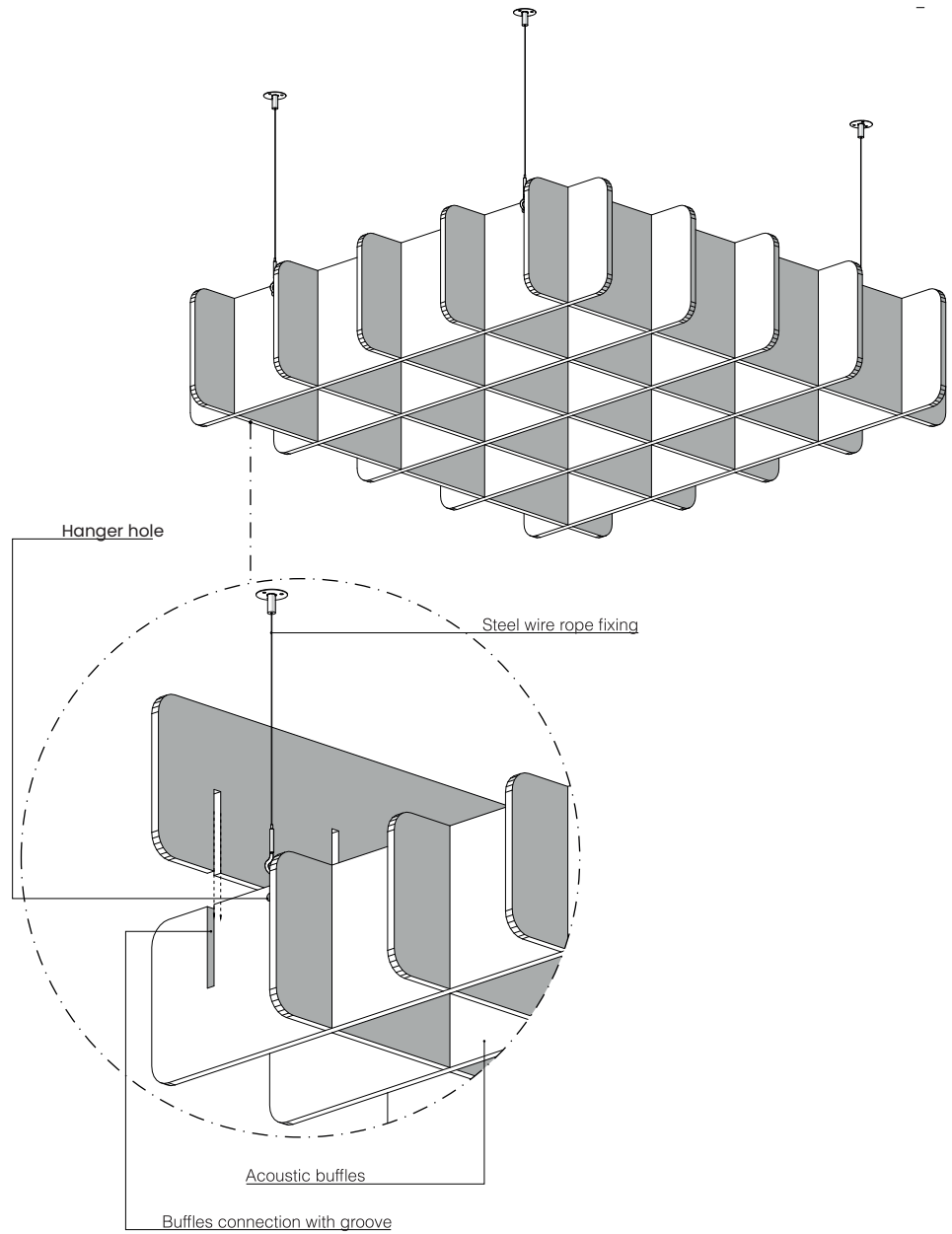
# STANDARD DIMENSIONS AND TYPES

## ARC MODULAR

**Module sizes:**
1060x1060mm &
2120x2120mm

**Baffles Thickness:**
12mm

**Hanged method:**
Galvanised steel hook
and wire rope

**Hanged height:**
Flexible (according to needs)

Hanger hole

Steel wire rope fixing

Steel wire rope fixing

Top view

Buffle

150 mm

150 mm

Acoustic buffle

Buffles connection with groove

**URBAN NOISE CONTROL**

# URBAN
# NOISE
# CONTROL
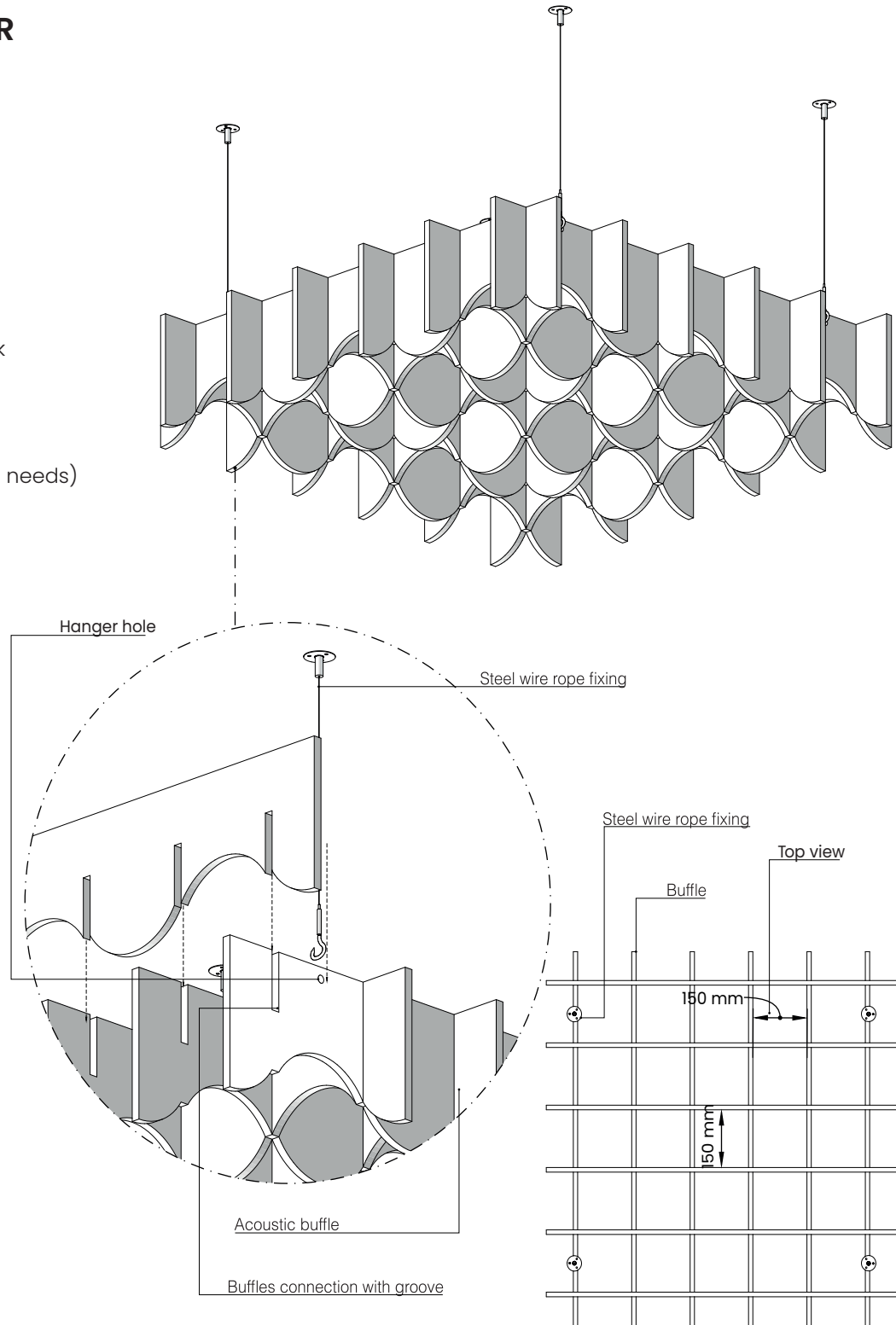
# STANDARD DIMENSIONS AND TYPES

## CURVED MODULAR

**Module sizes:**
Ø 1200mm & Ø 1800mm

**Baffles Thickness:**
12mm

**Hanged method:**
Galvanised steel hook and wire rope

**Hanged height:**
Flexible (according to needs)

Steel wire rope fixing

Steel wire rope fixing

Top view

138 mm

138 mm

Buffles connection with groove

Buffle

Acoustic buffle

**URBAN NOISE CONTROL**
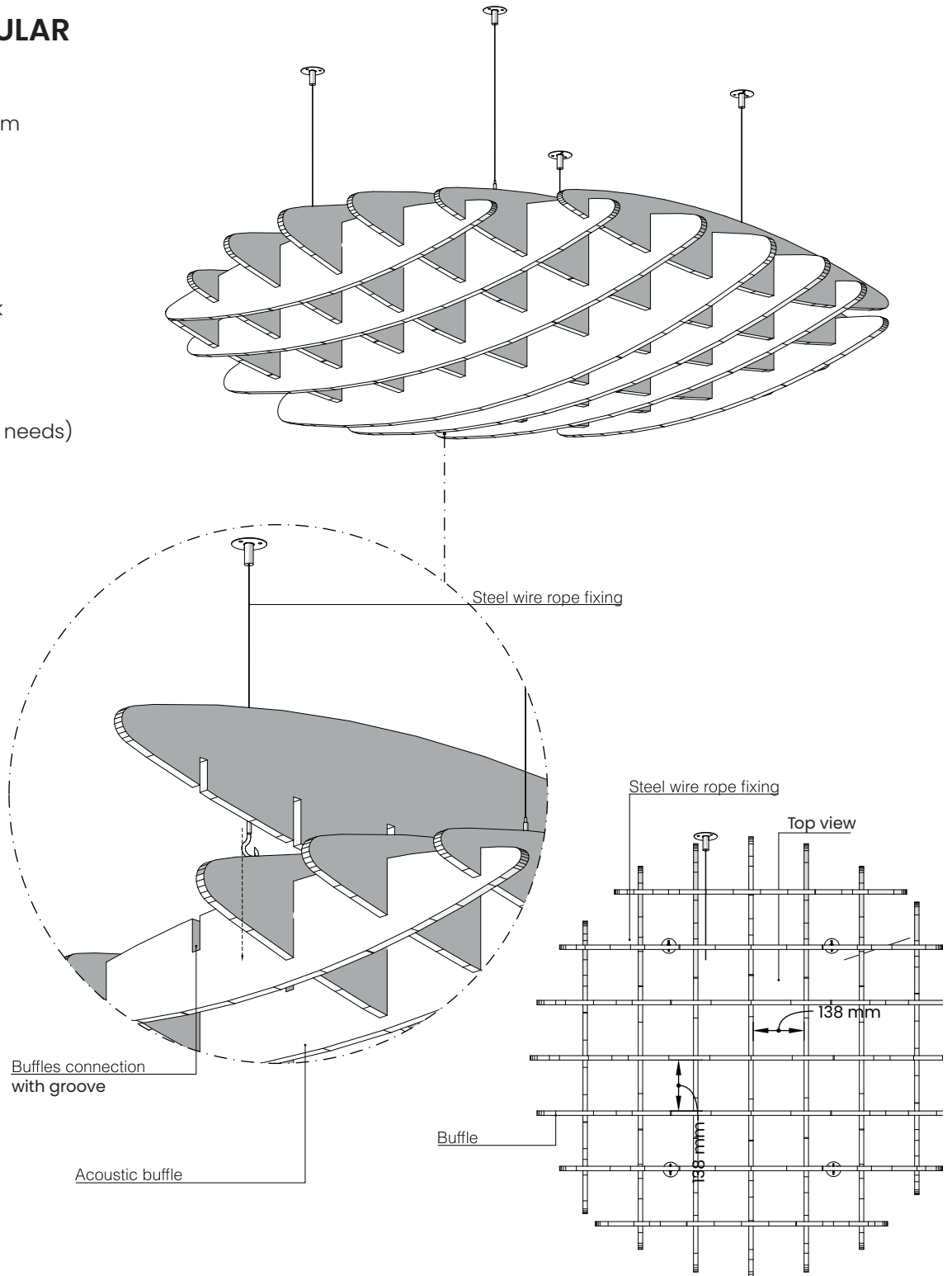
# STANDARD DIMENSIONS AND TYPES

## EDGY MODULAR

**Module sizes:**
Ø 1200mm & Ø 1800mm

**Baffles Thickness:**
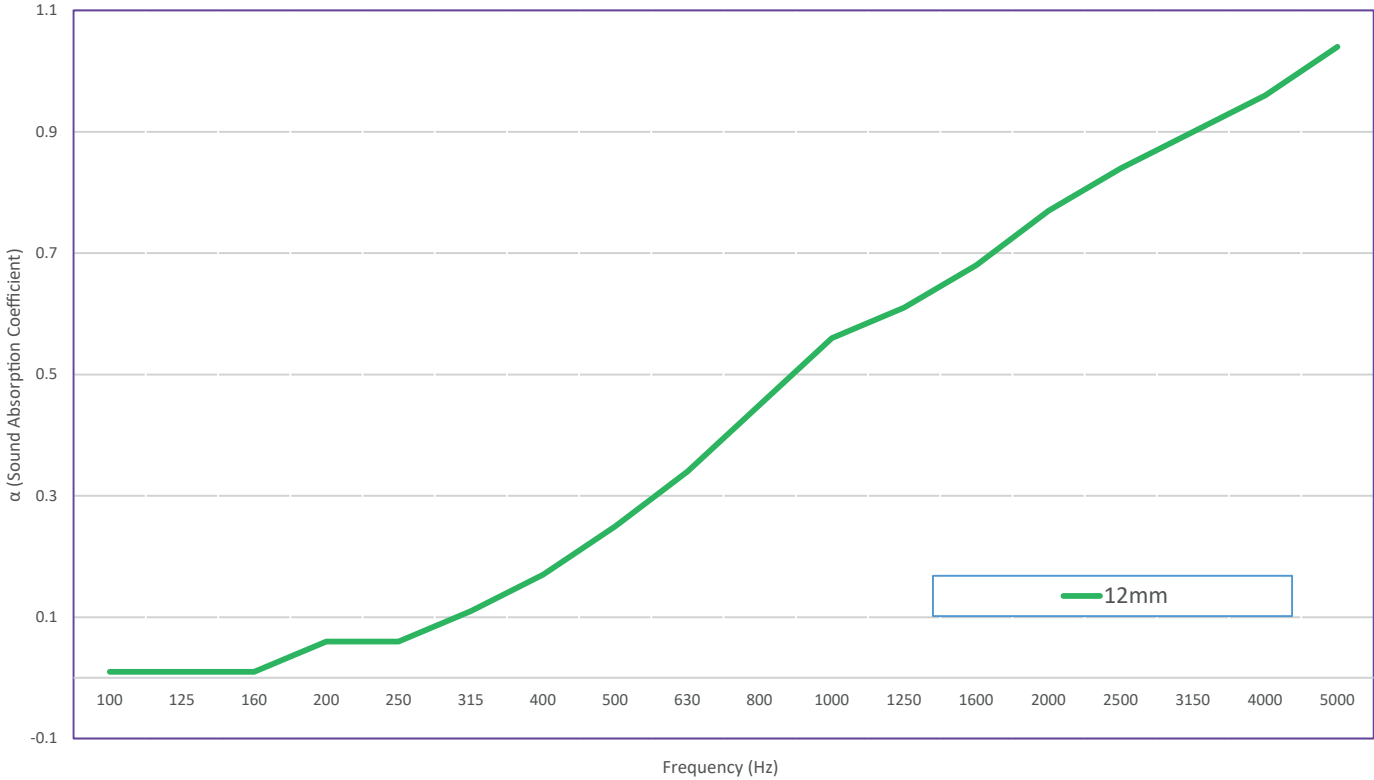12mm

**Hanged method:**
Galvanised steel hook and wire rope

**Hanged height:**
Flexible (according to needs)

Steel wire rope fixing

Top view

Steel wire rope fixing

100 mm

Buffles connection with groove

Acoustic buffle

Hanger hole

# URBAN NOISE CONTROL
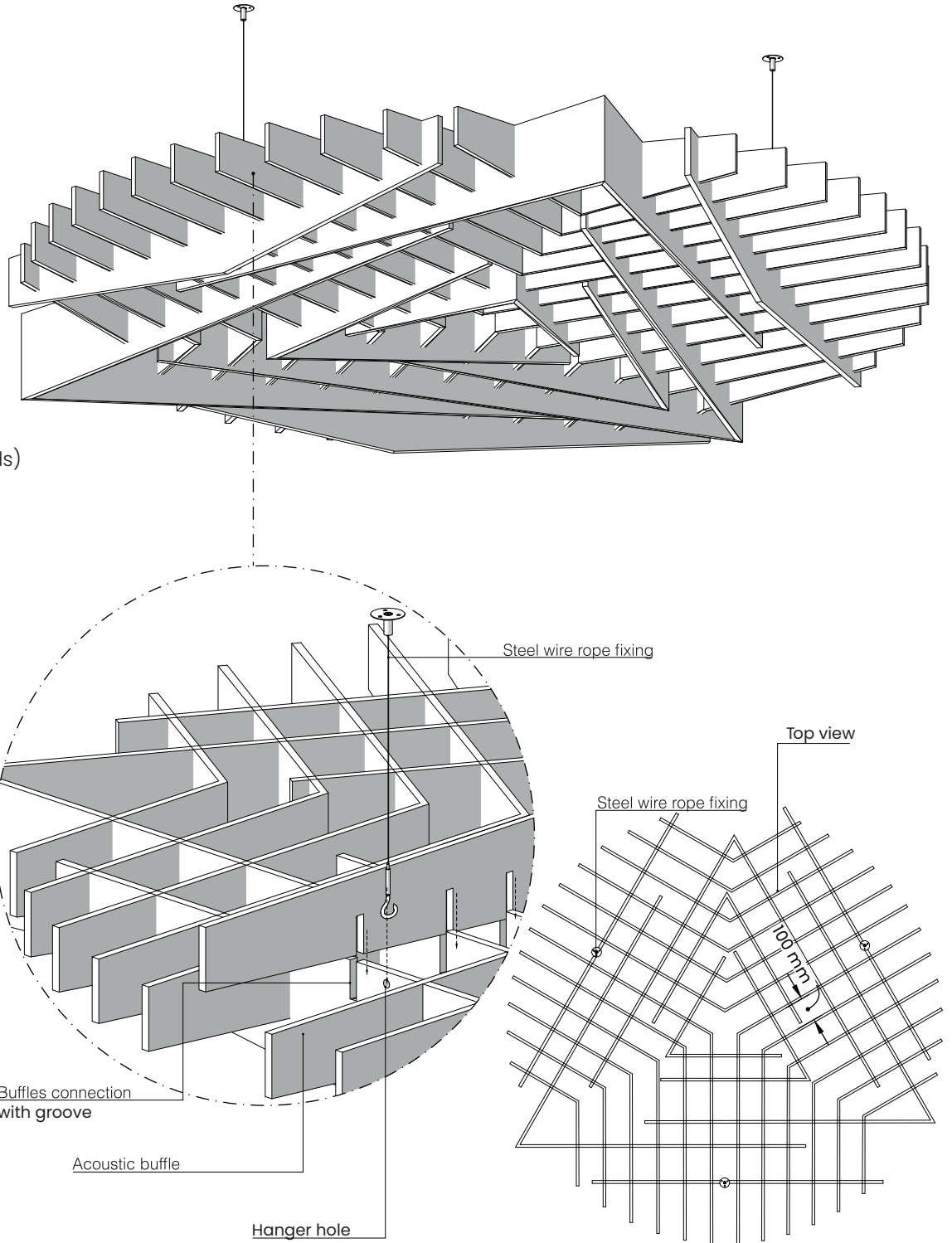
# SOUND ABSORPTION

**M-SYSTEM Modular**
Absorption coefficient measurements



**M–SYSTEM Modular**
Sound class D (αw=0.30)
[according to ISO 354:2003
& ISO 11654:1997]

**URBAN NOISE CONTROL**

## SOUND ABSORPTION

| Frequency (Hz) | 12mm | |
|---|---|---|
| 100 | 0.01 | |
| 125 | 0.01 | 0.01 |
| 160 | 0.01 | |
| 200 | 0.06 | |
| 250 | 0.06 | 0.08 |
| 315 | 0.11 | |
| 400 | 0.17 | |
| 500 | 0.25 | 0.25 |
| 630 | 0.34 | |
| 800 | 0.45 | |
| 1000 | 0.56 | 0.54 |
| 1250 | 0.61 | |
| 1600 | 0.68 | |
| 2000 | 0.77 | 0.76 |
| 2500 | 0.84 | |
| 3150 | 0.9 | |
| 4000 | 0.96 | 0.97 |
| 5000 | 1.04 | |

**URBAN NOISE CONTROL**

IWMI