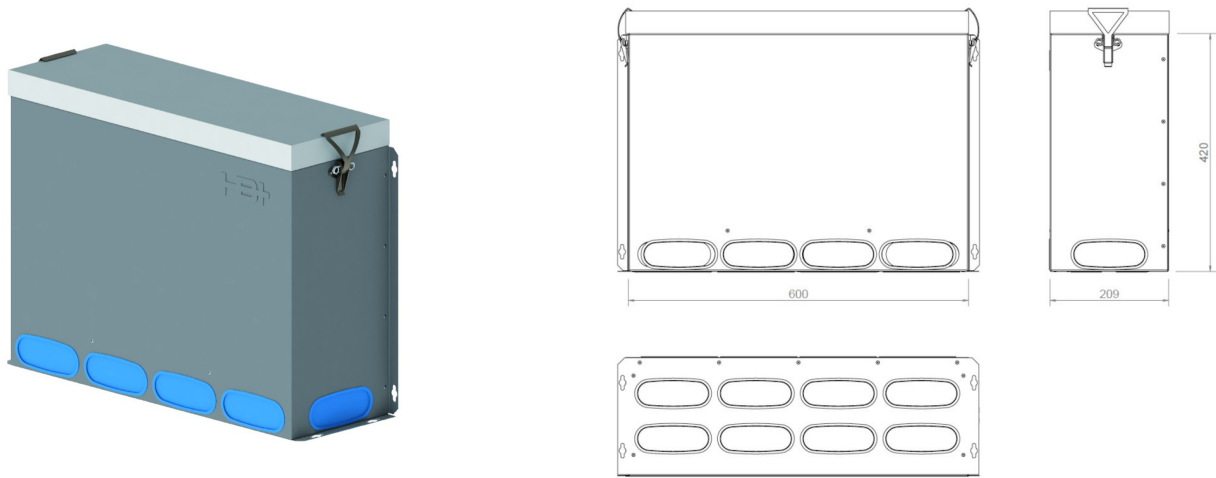


General information

Hybalans+ Manifold box lower part XL 350#14 132x52



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400480449                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Aluminium                                |
| Colour               | RAL-7045                                 |
| Wall Thicknesss (mm) | 26                                       |
| Weight (kg)          | 5,16                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 640 x 210 x 420 |
| Connection diameter flexible (mm) | 132x52          |
| Connection diameter riged (mm)    | -               |

Application Insights

|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 14             |
| Temperature range (°C) | -25 / +80      |

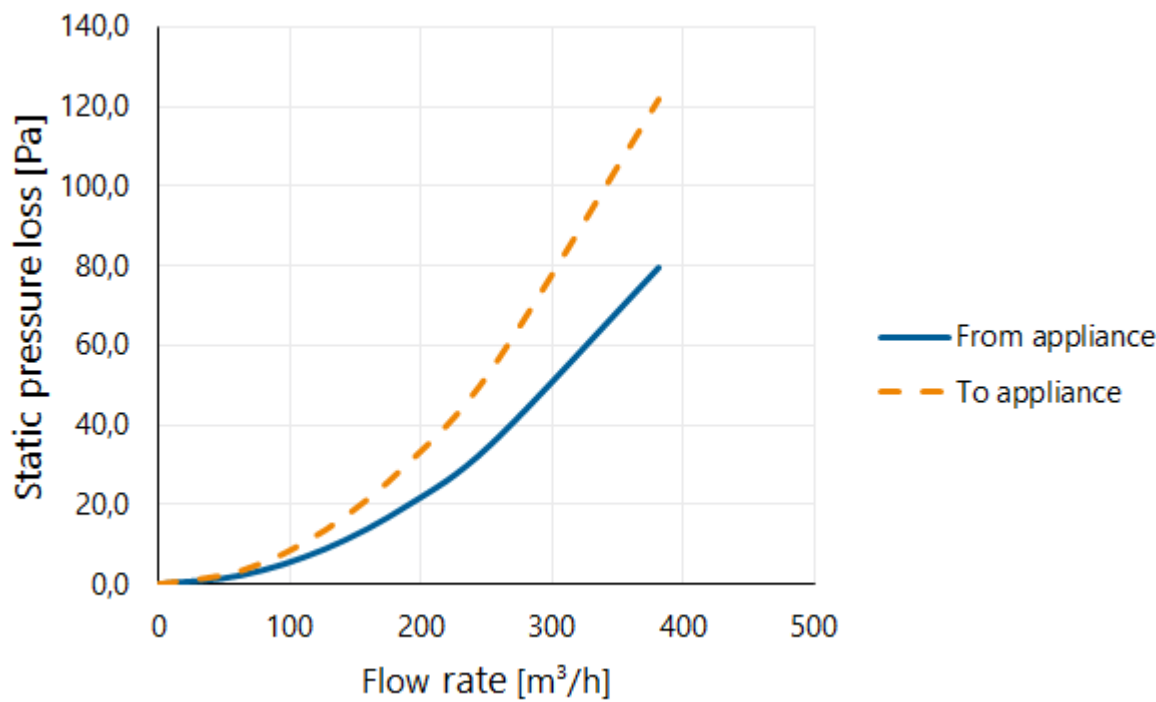
Technical Specifications

|                         |      |
|-------------------------|------|
| Maximum air flow (m³/h) | 350  |
| Air Tightness Class     | 3    |
| R-value (m²K/W)         | 0,86 |
| Other specifications    | -    |

Version MG-DS-400480449-2021.10 • Specifications are subject to change without notice.

Manifold box with flexible duct 132x52mm and insulated ducting 150mm

Pressure loss



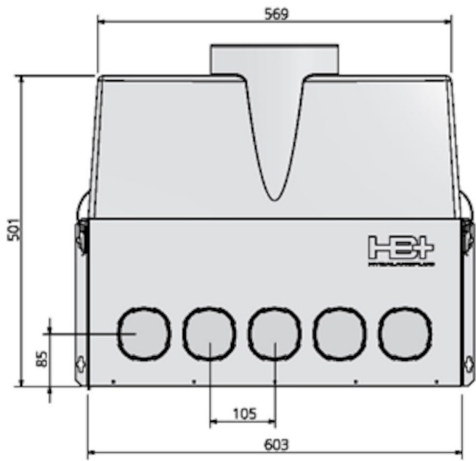
Manifold box with flexible duct 132x52mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
|           |        |       | From appliance       | To appliance |
| [m/s]     | [m³/h] | [l/s] | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 64     | 18    | 2,2                  | 3,4          |
| 2         | 127    | 35    | 8,8                  | 13,5         |
| 3         | 191    | 53    | 19,8                 | 30,4         |
| 4         | 254    | 71    | 35,2                 | 54,0         |
| 6         | 382    | 106   | 79,3                 | 121,6        |

General information

Hybalans+ Manifold box complete 350#12



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470407                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized/EPP                           |
| Colour               | RAL-7045                                 |
| Wall Thicknesss (mm) | 26                                       |
| Weight (kg)          | 5,01                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 640 x 210 x 550 |
| Connection diameter flexible (mm) | 75/92           |
| Connection diameter rigid (mm)    | 150/180         |

Application Insights

|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 12             |
| Temperature range (°C) | -25 / +80      |

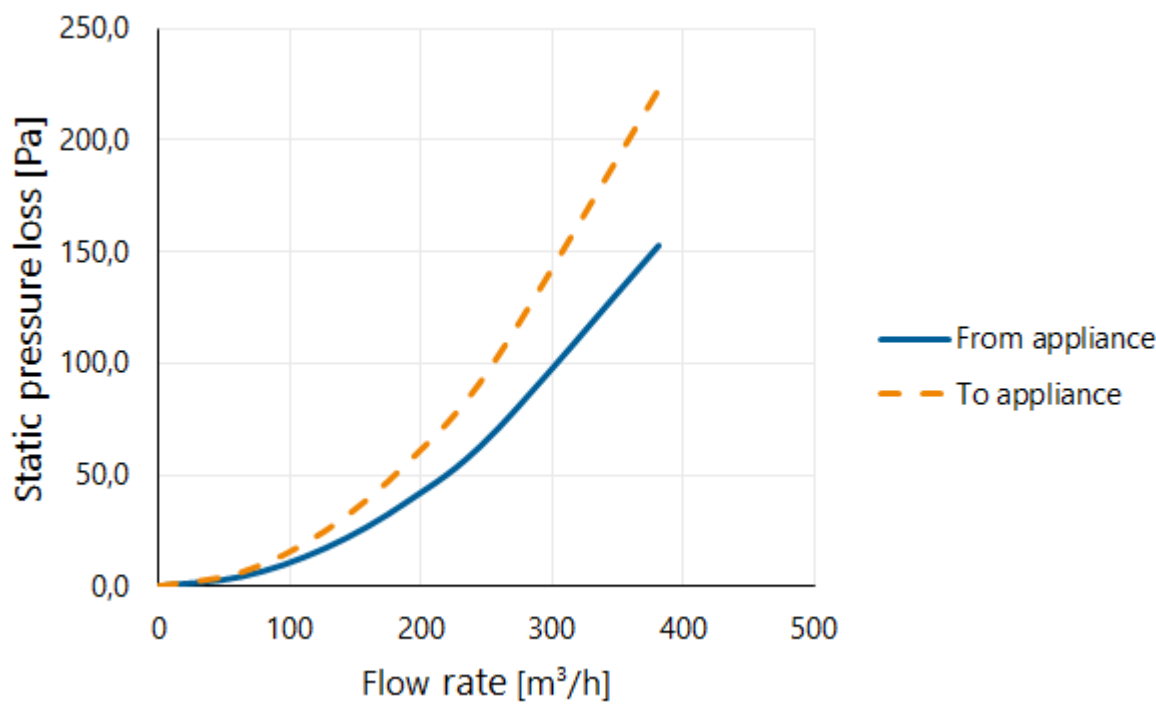
Technical Specifications

|                         |      |
|-------------------------|------|
| Maximum air flow (m³/h) | 350  |
| Air Tightness Class     | 3    |
| R-value (m²K/W)         | 0,86 |
| Other specifications    | -    |

Version MG-DS-400470407-2021.10 • Specifications are subject to change without notice.

Manifoldbox with flexible duct 75mm and insulated ducting 150mm

Pressure loss



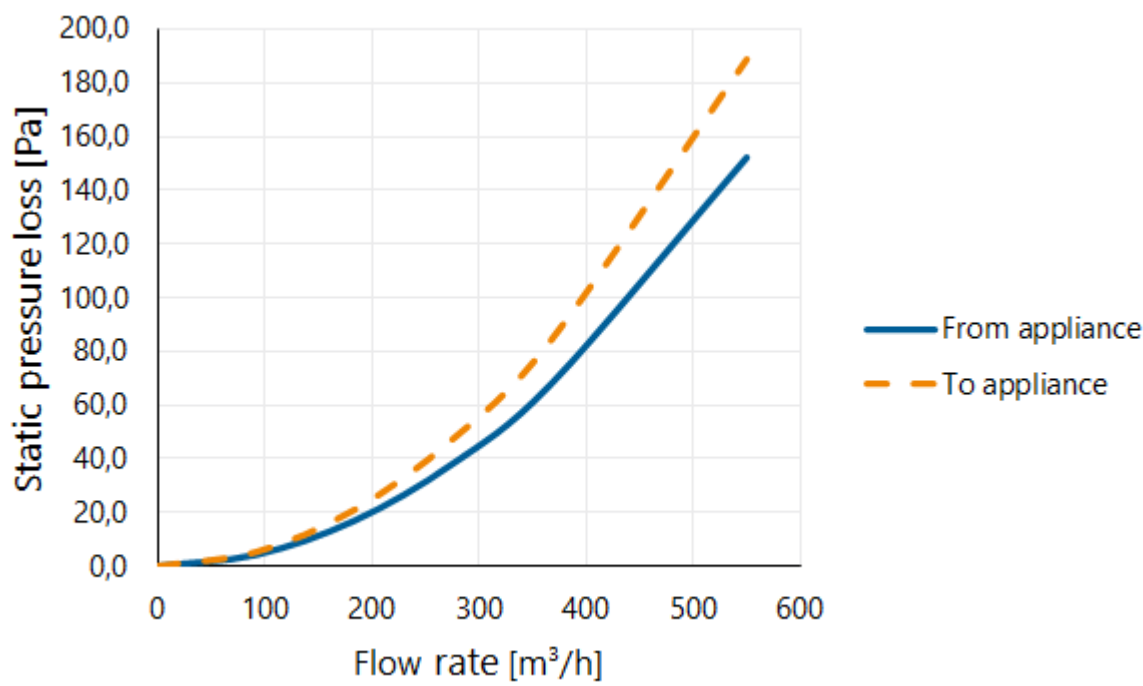
Manifoldbox with flexible duct 75mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 64     | 18    | 4,3                  | 6,2          |
| 2         | 127    | 35    | 17,0                 | 24,7         |
| 3         | 191    | 53    | 38,3                 | 55,6         |
| 4         | 254    | 71    | 68,1                 | 98,9         |
| 6         | 382    | 106   | 153,3                | 222,4        |

# Manifold box with flexible duct 92mm and insulated ducting 180mm

Pressure loss



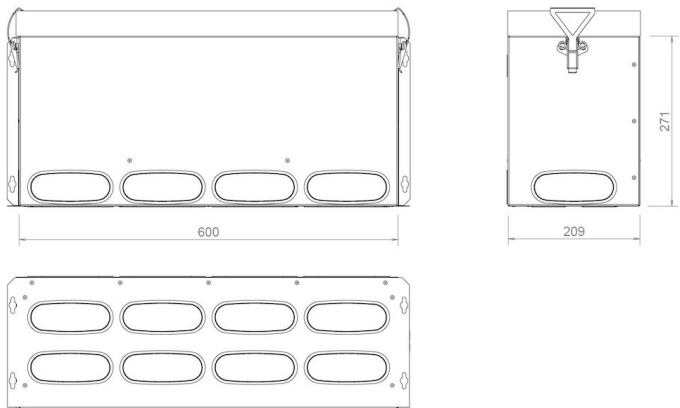
# Manifold box with flexible duct 92mm and insulated ducting 180mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 92     | 25    | 4,2                  | 5,2          |
| 2         | 183    | 51    | 16,9                 | 21,0         |
| 3         | 275    | 76    | 38,0                 | 47,2         |
| 4         | 366    | 102   | 67,6                 | 83,9         |
| 6         | 550    | 153   | 152,1                | 188,7        |

General information

Hybalans+ Manifold box lower part 350#14 132x52



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400480434                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Aluminium                                |
| Colour               | RAL-7045                                 |
| Wall Thicknesss (mm) | 26                                       |
| Weight (kg)          | 5,16                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 640 x 210 x 270 |
| Connection diameter flexible (mm) | 132x52          |
| Connection diameter rigid (mm)    | -               |

Application Insights

|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 14             |
| Temperature range (°C) | -25 / +80      |

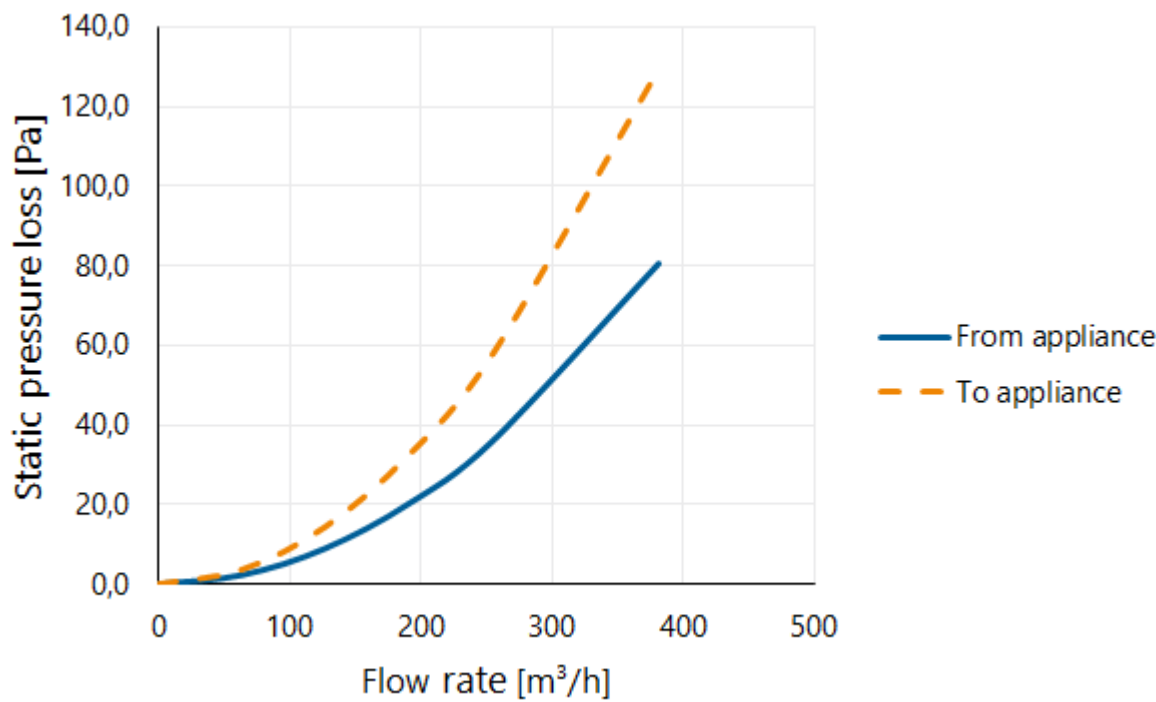
Technical Specifications

|                         |      |
|-------------------------|------|
| Maximum air flow (m³/h) | 350  |
| Air Tightness Class     | 3    |
| R-value (m²K/W)         | 0,86 |
| Other specifications    | -    |

Version MG-DS-400480434-2021.10 • Specifications are subject to change without notice.

Manifold box with flexible duct 132x52mm and insulated ducting 150mm

Pressure loss



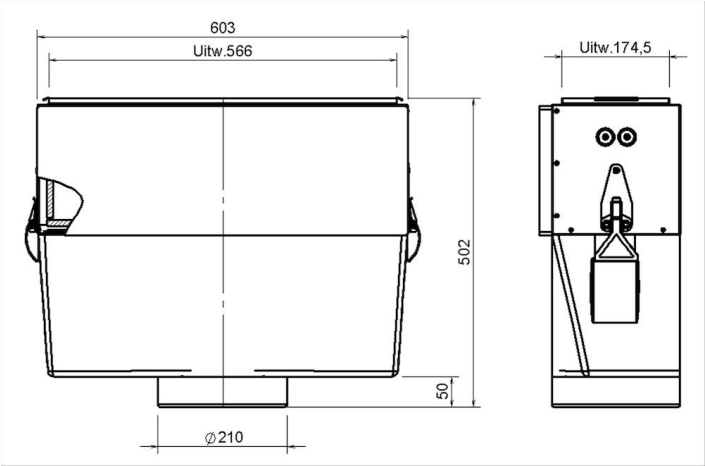
Manifold box with flexible duct 132x52mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 64     | 18    | 2,2                  | 3,6          |
| 2         | 127    | 35    | 9,0                  | 14,4         |
| 3         | 191    | 53    | 20,2                 | 32,4         |
| 4         | 254    | 71    | 35,8                 | 57,6         |
| 6         | 382    | 106   | 80,6                 | 129,5        |

General information

Hybalans+ Manifold upper part right-angled 450



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470442                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized/EPP                           |
| Colour               | RAL-7045                                 |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 3,8                                      |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 603 x 230 x 502 |
| Connection diameter flexible (mm) | -               |
| Connection diameter rigid (mm)    | 150/180         |

Application Insights

|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | -              |
| Temperature range (°C) | -25 / +80      |

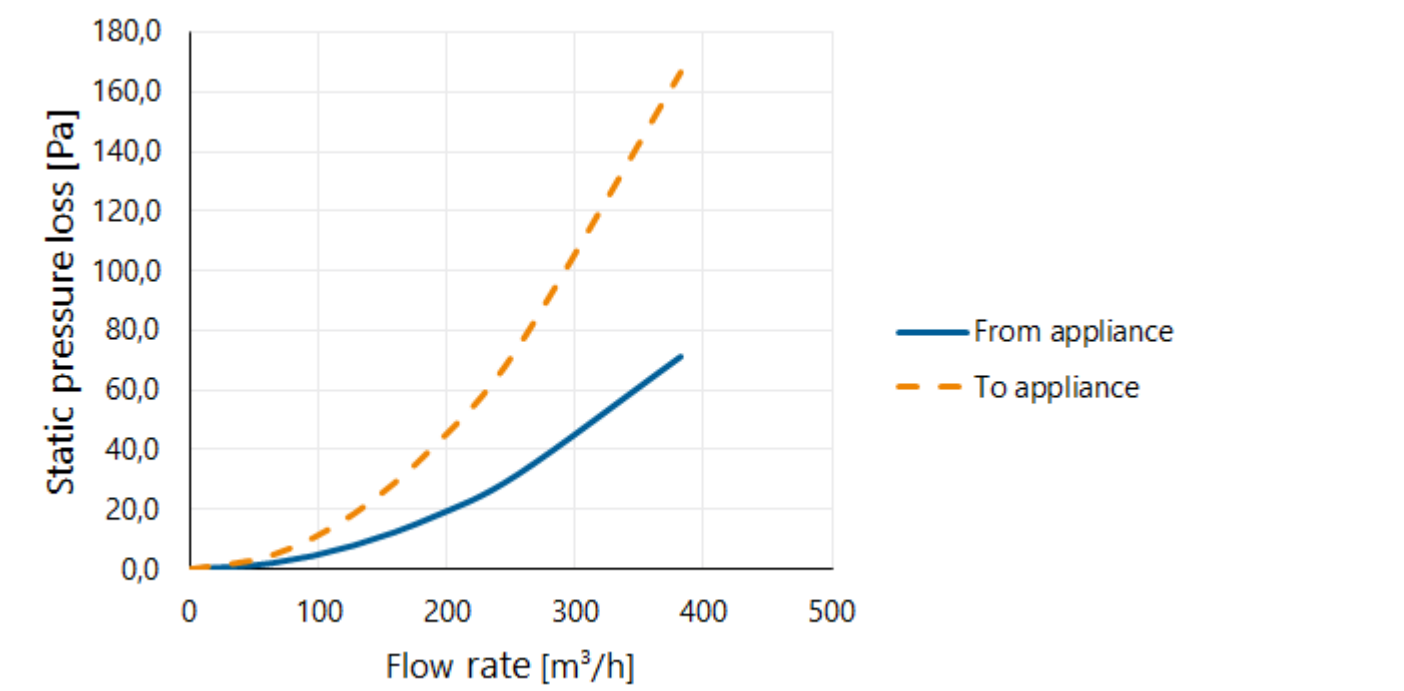
Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 450 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Version MG-DS-400470442-2021.10 • Specifications are subject to change without notice.

Manifoldbox right-angled with flexible duct 92mm and insulated ducting 150mm

Pressure loss



Manifoldbox right-angled with flexible duct 92mm and insulated ducting 150mm

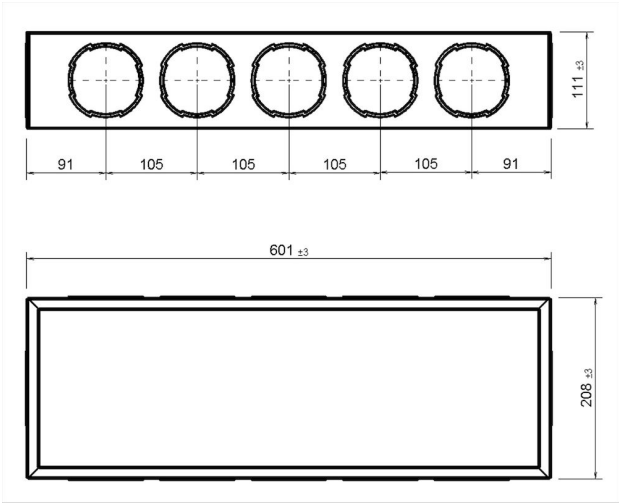
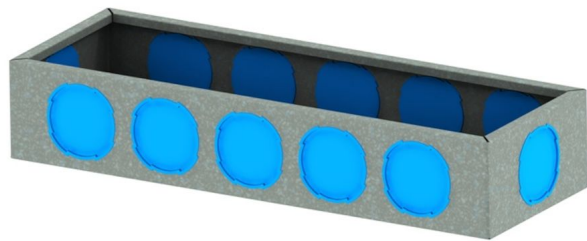
Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 64     | 18    | 2,0                  | 4,6          |
| 2         | 127    | 35    | 7,9                  | 18,5         |
| 3         | 191    | 53    | 17,8                 | 41,6         |
| 4         | 254    | 71    | 31,6                 | 73,9         |
| 6         | 382    | 106   | 71,1                 | 166,3        |

Version MG-DS-400470442-2021.10 • Specifications are subject to change without notice.

General information

Hybalans+ Supply/Extract plenum 450#12



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470443                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 2,3                                      |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 601 x 208 x 111 |
| Connection diameter flexible (mm) | 75/92           |
| Connection diameter rigid (mm)    | -               |

Application Insights

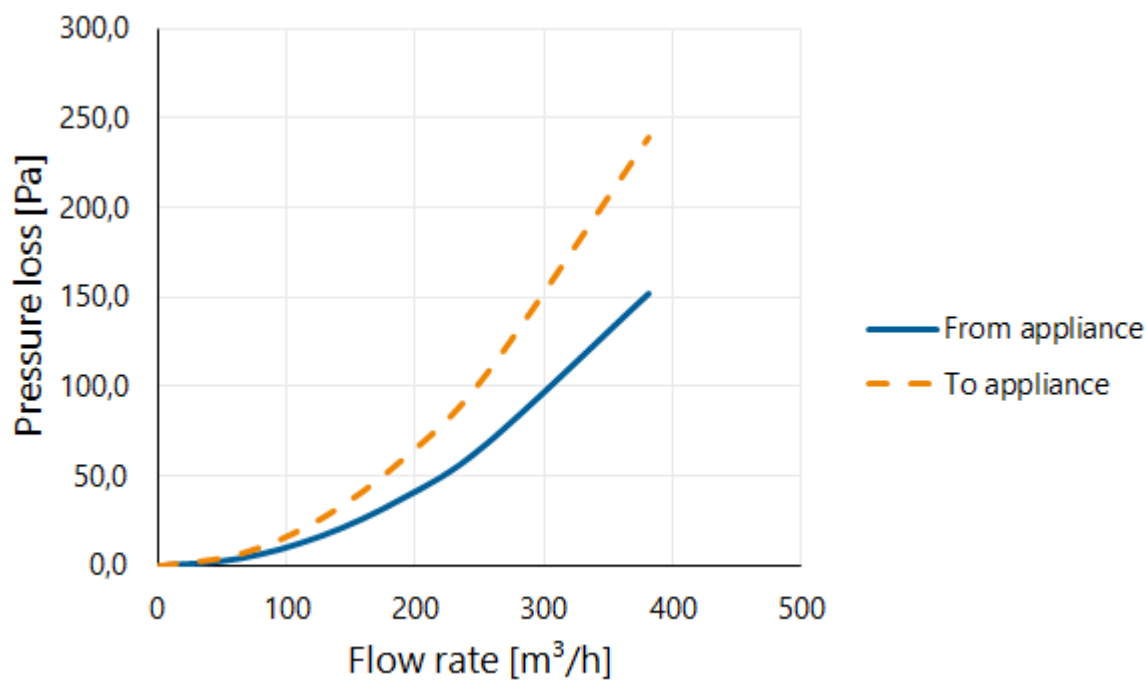
|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 12             |
| Temperature range (°C) | -25 / +80      |

Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 450 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Manifoldbox with flexible duct 75mm and insulated ducting 150mm

Pressure loss



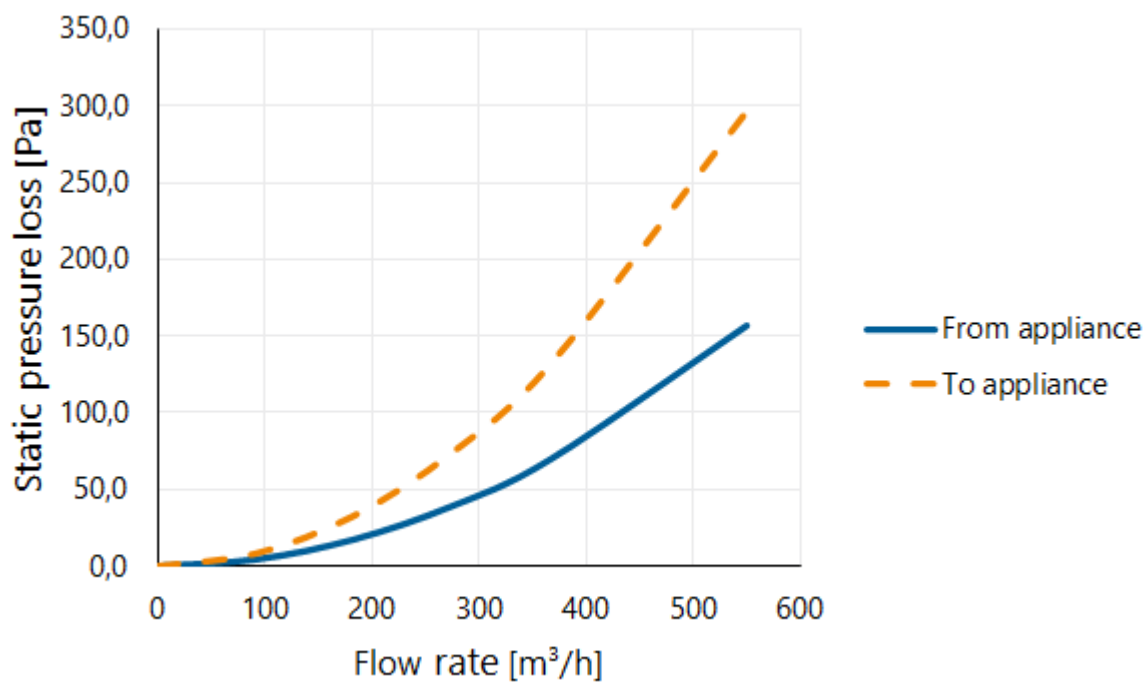
Manifoldbox with flexible duct 75mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
|           |        |       | From appliance       | To appliance |
| [m/s]     | [m³/h] | [l/s] | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 64     | 18    | 4,2                  | 6,7          |
| 2         | 127    | 35    | 16,9                 | 26,6         |
| 3         | 191    | 53    | 38,1                 | 59,9         |
| 4         | 254    | 71    | 67,7                 | 106,5        |
| 6         | 382    | 106   | 152,3                | 239,7        |

## Manifoldbox with flexible duct 92mm and insulated ducting 180mm

Pressure loss



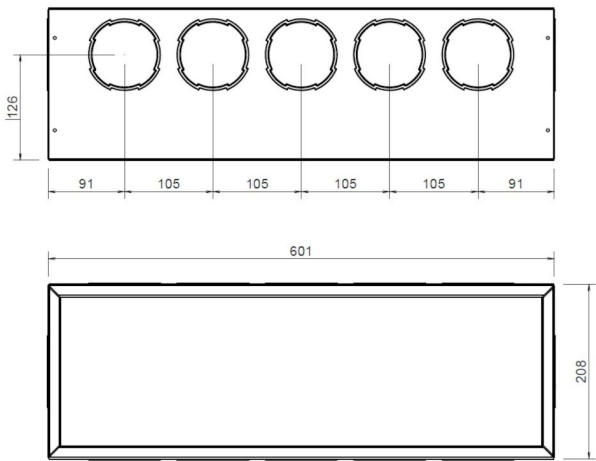
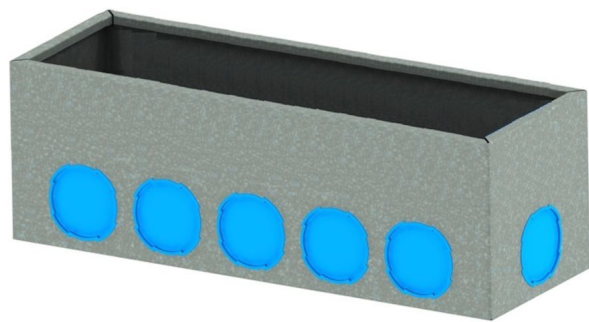
## Manifoldbox with flexible duct 92mm and insulated ducting 180mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 92     | 25    | 4,3                  | 8,2          |
| 2         | 183    | 51    | 17,4                 | 33,0         |
| 3         | 275    | 76    | 39,1                 | 74,2         |
| 4         | 366    | 102   | 69,6                 | 131,8        |
| 6         | 550    | 153   | 156,5                | 296,6        |

General information

Hybalans+ Supply/Extract plenum XL 450#12



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470444                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 2,63                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 601 x 208 x 180 |
| Connection diameter flexible (mm) | 75/92           |
| Connection diameter rigid (mm)    | -               |

Application Insights

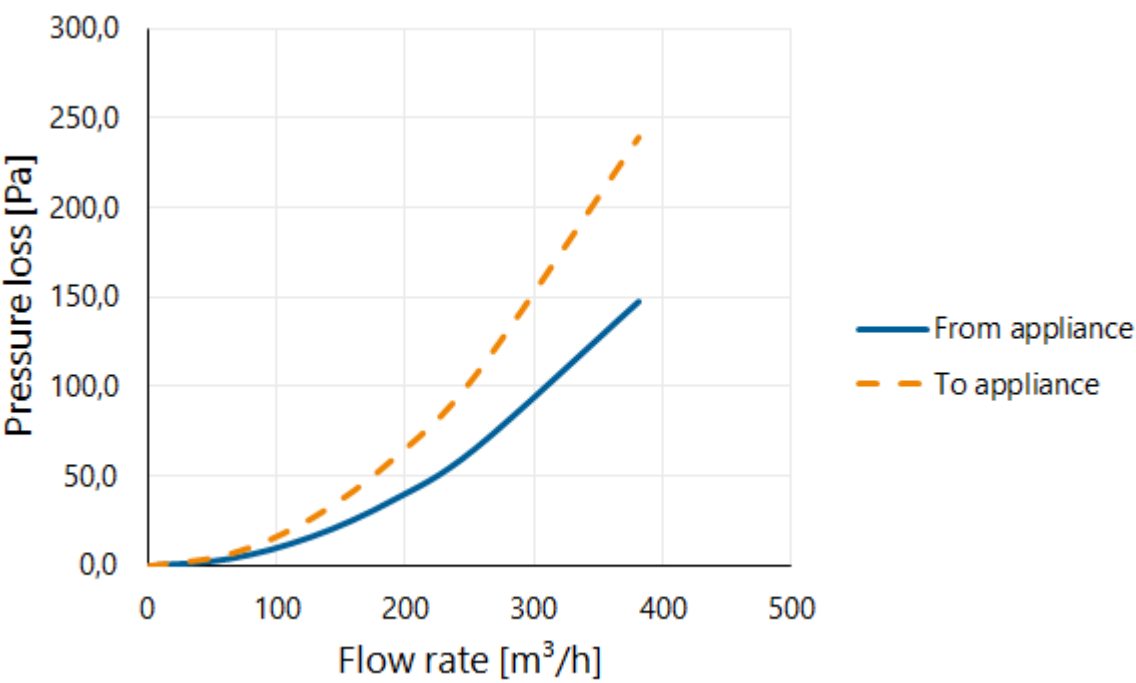
|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 12             |
| Temperature range (°C) | -25 / +80      |

Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 450 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Manifoldbox with flexible duct 75mm and insulated ducting 150mm

Pressure loss



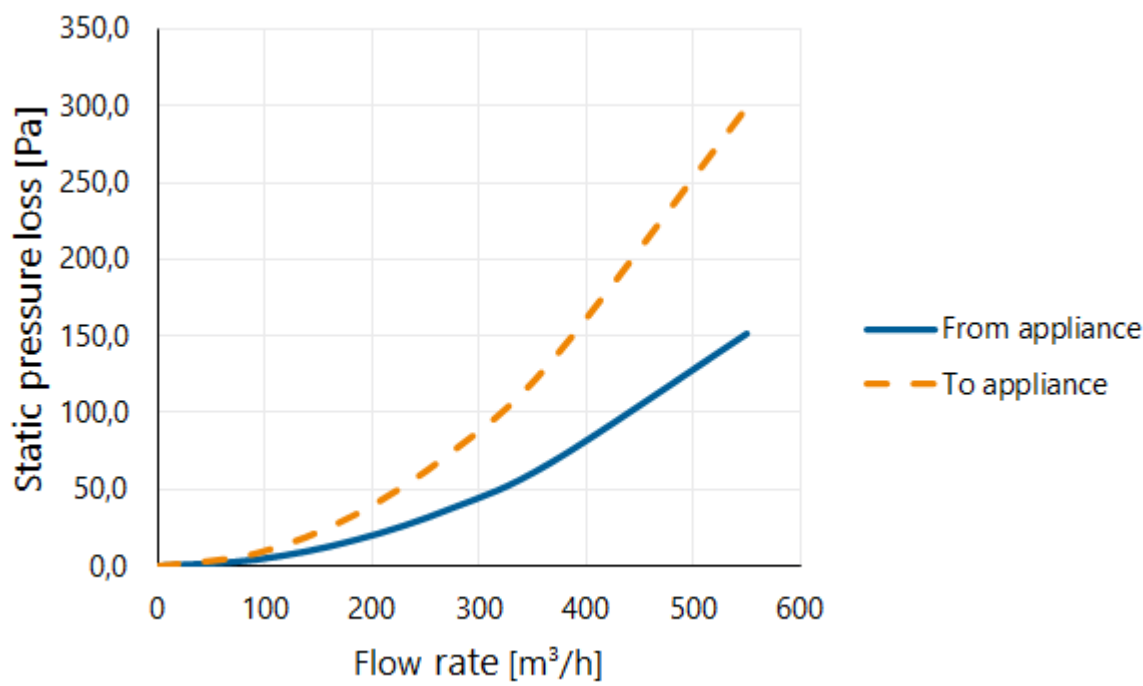
Manifoldbox with flexible duct 75mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
|           |        |       | From appliance       | To appliance |
| [m/s]     | [m³/h] | [l/s] | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 64     | 18    | 4,1                  | 6,6          |
| 2         | 127    | 35    | 16,4                 | 26,5         |
| 3         | 191    | 53    | 36,8                 | 59,7         |
| 4         | 254    | 71    | 65,5                 | 106,2        |
| 6         | 382    | 106   | 147,3                | 238,9        |

# Manifoldbox with flexible duct 92mm and insulated ducting 180mm

Pressure loss



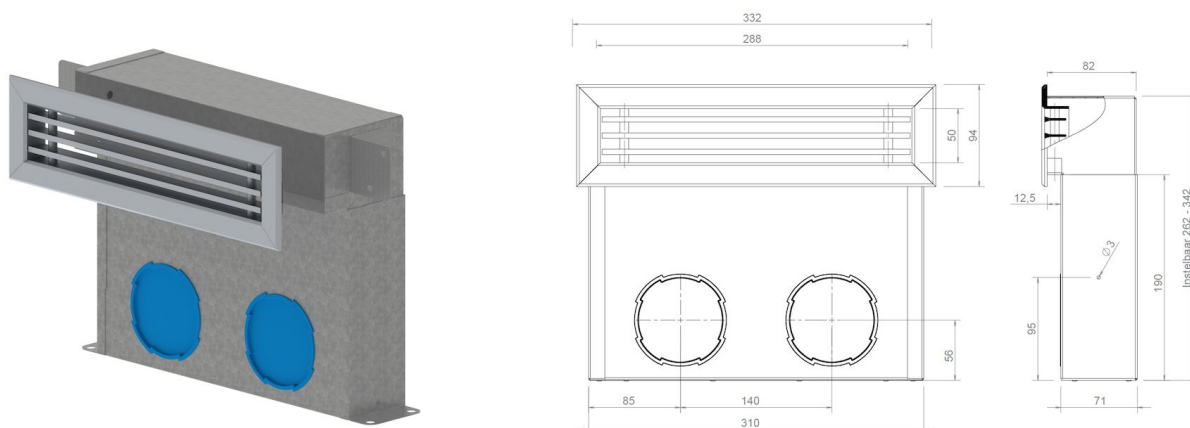
# Manifoldbox with flexible duct 92mm and insulated ducting 180mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 92     | 25    | 4,2                  | 8,3          |
| 2         | 183    | 51    | 16,8                 | 33,3         |
| 3         | 275    | 76    | 37,8                 | 74,9         |
| 4         | 366    | 102   | 67,2                 | 133,1        |
| 6         | 550    | 153   | 151,1                | 299,5        |

## General information

### Hybalans+ Wall plenum Supply/Extract adjustable 92 #2



## Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470492                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 2,5                                      |

## Dimensions

|                                   |                |
|-----------------------------------|----------------|
| Dimensions (l x w x h mm)         | 310 x 82 x 342 |
| Connection diameter flexible (mm) | 75/92          |
| Connection diameter rigid (mm)    | -              |

## Application Insights

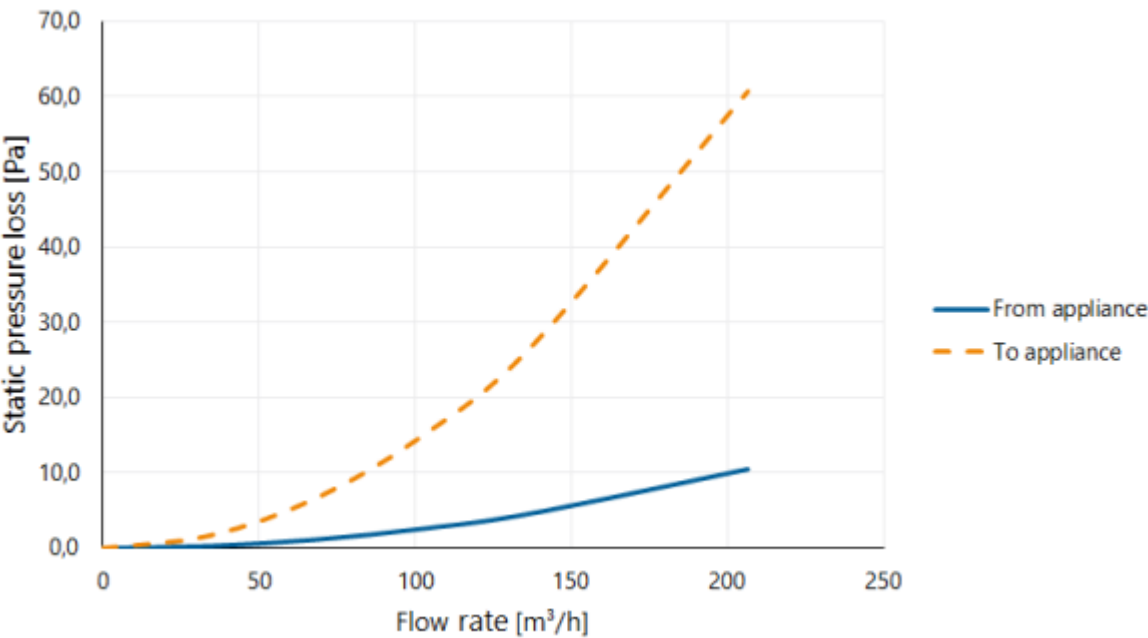
|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 2              |
| Temperature range (°C) | -25 / +80      |

## Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 100 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Wallplenum with 2x flexible duct 92mm

Pressure loss



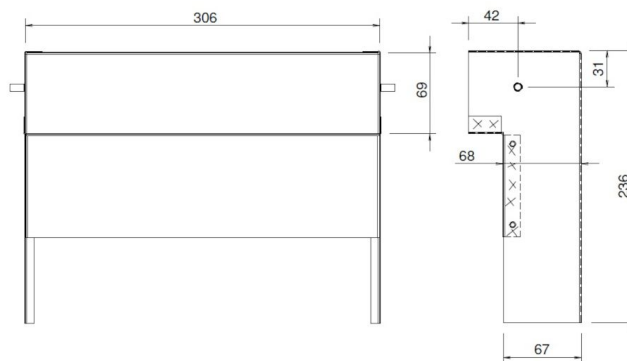
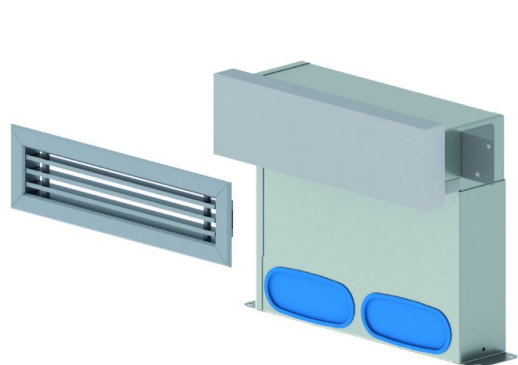
Wallplenum with 2x flexible duct 92mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 34     | 10    | 0,3                  | 1,7          |
| 2         | 69     | 19    | 1,2                  | 6,7          |
| 3         | 103    | 29    | 2,6                  | 15,2         |
| 4         | 138    | 38    | 4,7                  | 27,0         |
| 6         | 206    | 57    | 10,6                 | 60,7         |

## General information

### Hybalans+ Wall plenum Supply/Extract adjustable 132x52 #2



## Specifications

|                     |                                          |
|---------------------|------------------------------------------|
| Article number      | 400480446                                |
| Product category    | Air extraction plenum / Air distribution |
| Material            | Galvanized                               |
| Colour              | Material own colour                      |
| Wall Thickness (mm) | 1                                        |
| Weight (kg)         | 2,5                                      |

## Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 306 x 100 x 236 |
| Connection diameter flexible (mm) | 132x52          |
| Connection diameter rigid (mm)    | -               |

## Application Insights

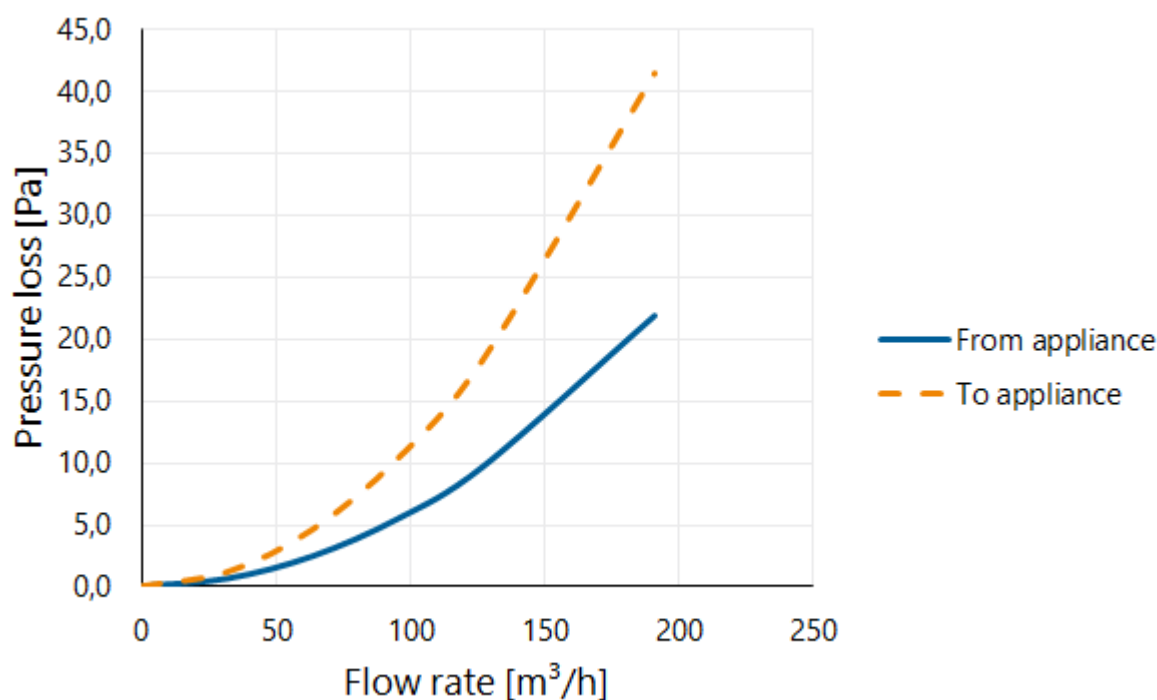
|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 2              |
| Temperature range (°C) | -25 / +80      |

## Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 100 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

## Floorplenum with 2x flexible duct 132x52mm

Pressure loss



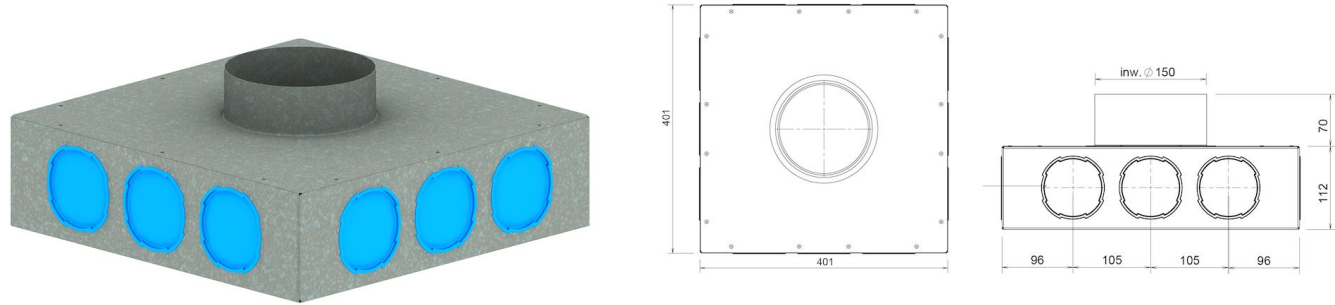
## Wallplenum with flexible duct 132x52mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
|           |        |       | From appliance       | To appliance |
| [m/s]     | [m³/h] | [l/s] | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 32     | 9     | 0,6                  | 1,2          |
| 2         | 64     | 18    | 2,4                  | 4,6          |
| 3         | 95     | 27    | 5,5                  | 10,4         |
| 4         | 127    | 35    | 9,8                  | 18,4         |
| 6         | 191    | 53    | 21,9                 | 41,5         |

General information

Hybalans+ Extraction plenum 350#12



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470445                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 3,12                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 401 x 401 x 182 |
| Connection diameter flexible (mm) | 75/92           |
| Connection diameter rigid (mm)    | 150             |

Application Insights

|                        |           |
|------------------------|-----------|
| Intended use           | Air       |
| Supply / Extract       | Extract   |
| Number of connections  | 12        |
| Temperature range (°C) | -25 / +80 |

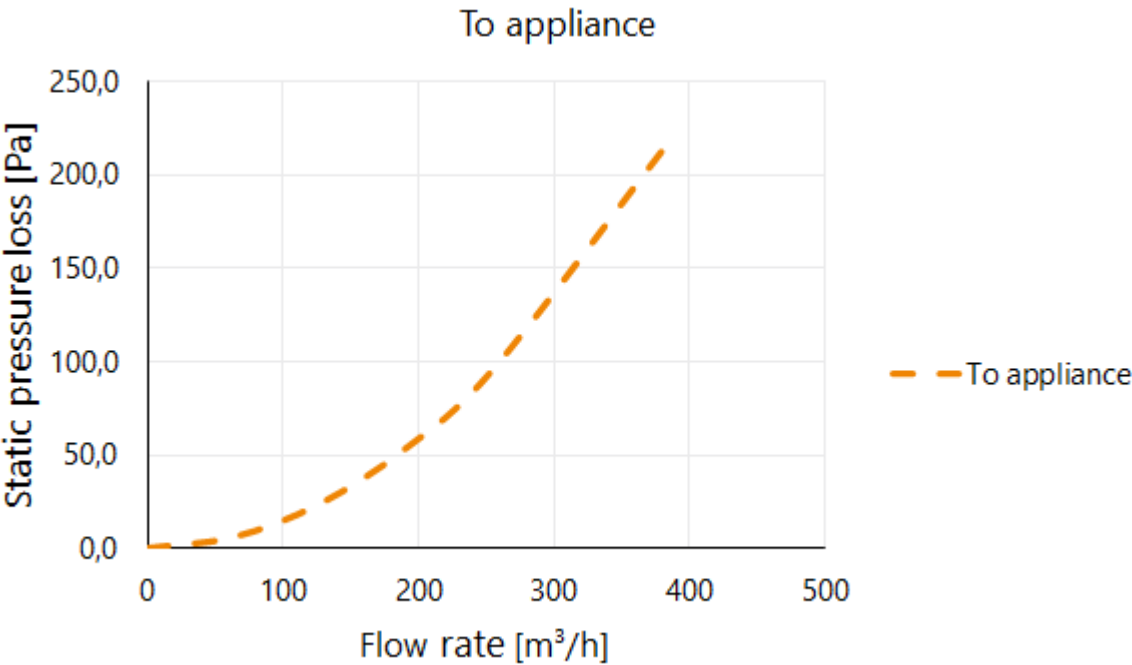
Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 350 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Version MG-DS-400470445-2021.10 • Specifications are subject to change without notice.

Plenum with flexible duct 75mm and insulated ducting 150mm

Pressure loss



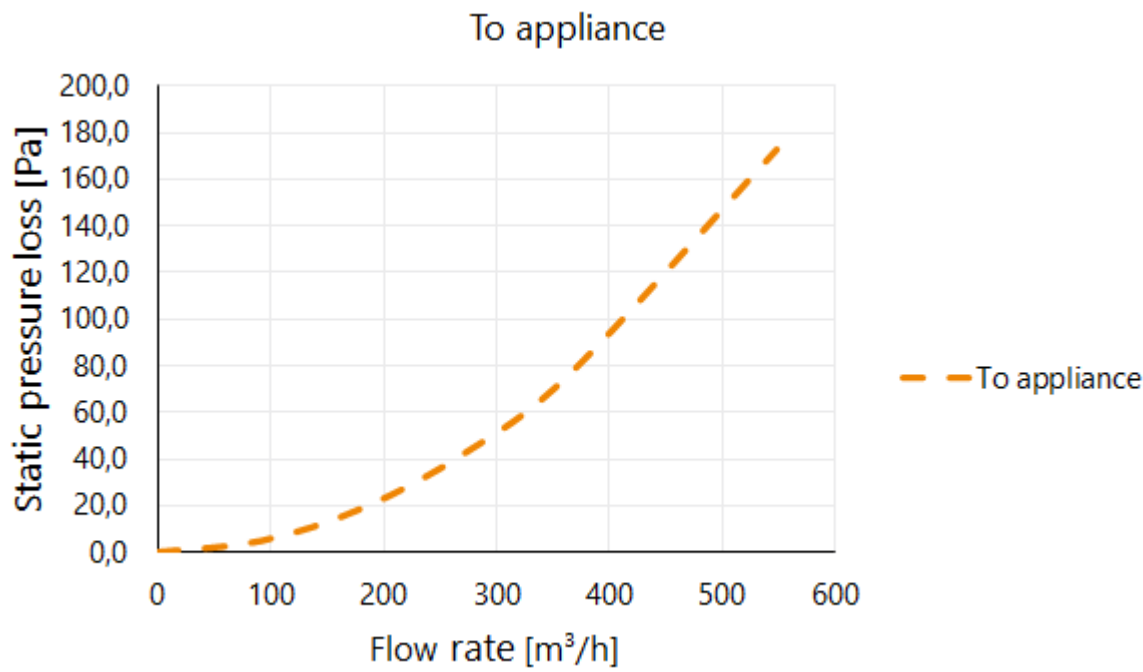
Plenum with flexible duct 75mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | To appliance<br>[Pa] |
|-----------|--------|-------|----------------------|
| [m/s]     | [m³/h] | [l/s] |                      |
| 0         | 0      | 0     | 0,0                  |
| 1         | 64     | 18    | 6,0                  |
| 2         | 127    | 35    | 23,9                 |
| 3         | 191    | 53    | 53,8                 |
| 4         | 254    | 71    | 95,7                 |
| 6         | 382    | 106   | 215,2                |

## Plenum with flexible duct 92mm and insulated ducting 150mm

Pressure loss



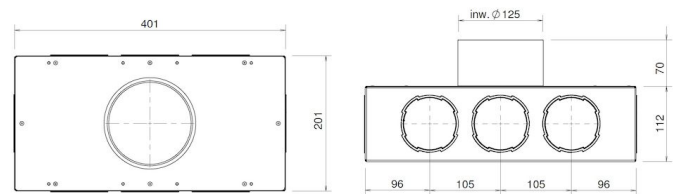
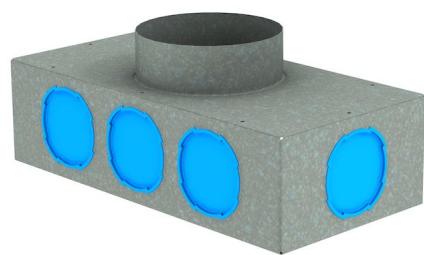
## Plenum with flexible duct 92mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | To appliance<br>[Pa] |
|-----------|--------|-------|----------------------|
| [m/s]     | [m³/h] | [l/s] |                      |
| 0         | 0      | 0     | 0,0                  |
| 1         | 92     | 25    | 4,8                  |
| 2         | 183    | 51    | 19,2                 |
| 3         | 275    | 76    | 43,2                 |
| 4         | 366    | 102   | 76,8                 |
| 6         | 550    | 153   | 172,8                |

General information

Hybalans+ Extraction plenum rectangle 225#8



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470446                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 2,12                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 401 x 201 x 182 |
| Connection diameter flexible (mm) | 75/92           |
| Connection diameter rigid (mm)    | 125             |

Application Insights

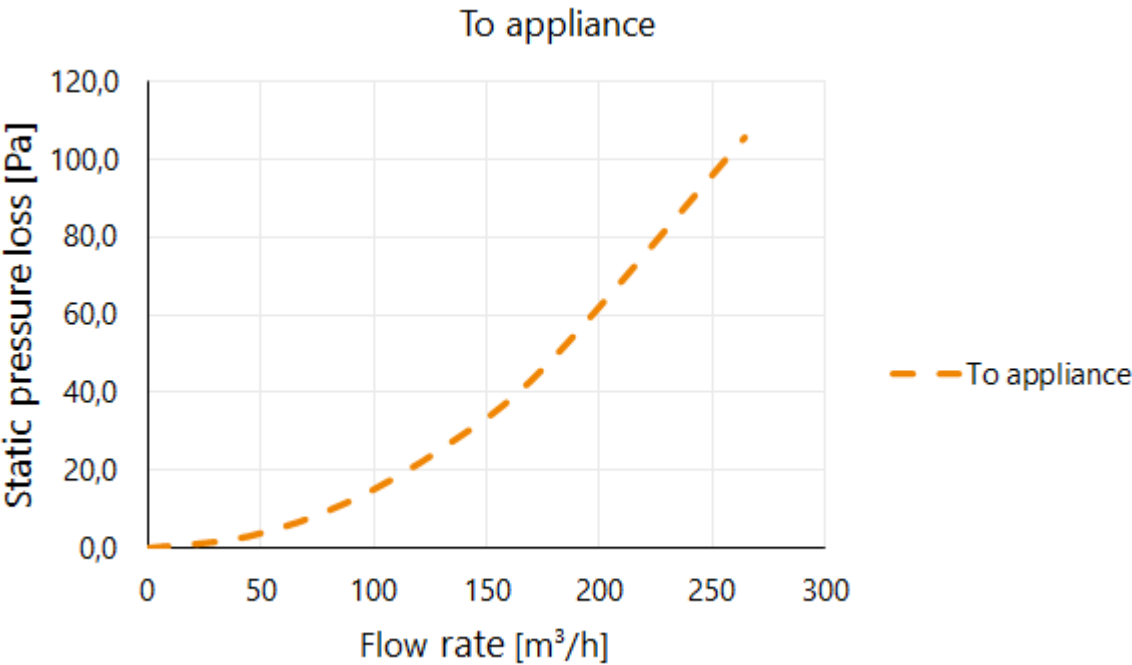
|                        |           |
|------------------------|-----------|
| Intended use           | Air       |
| Supply / Extract       | Extract   |
| Number of connections  | 8         |
| Temperature range (°C) | -25 / +80 |

Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 225 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Plenum with flexible duct 75mm and insulated ducting 125mm

Pressure loss



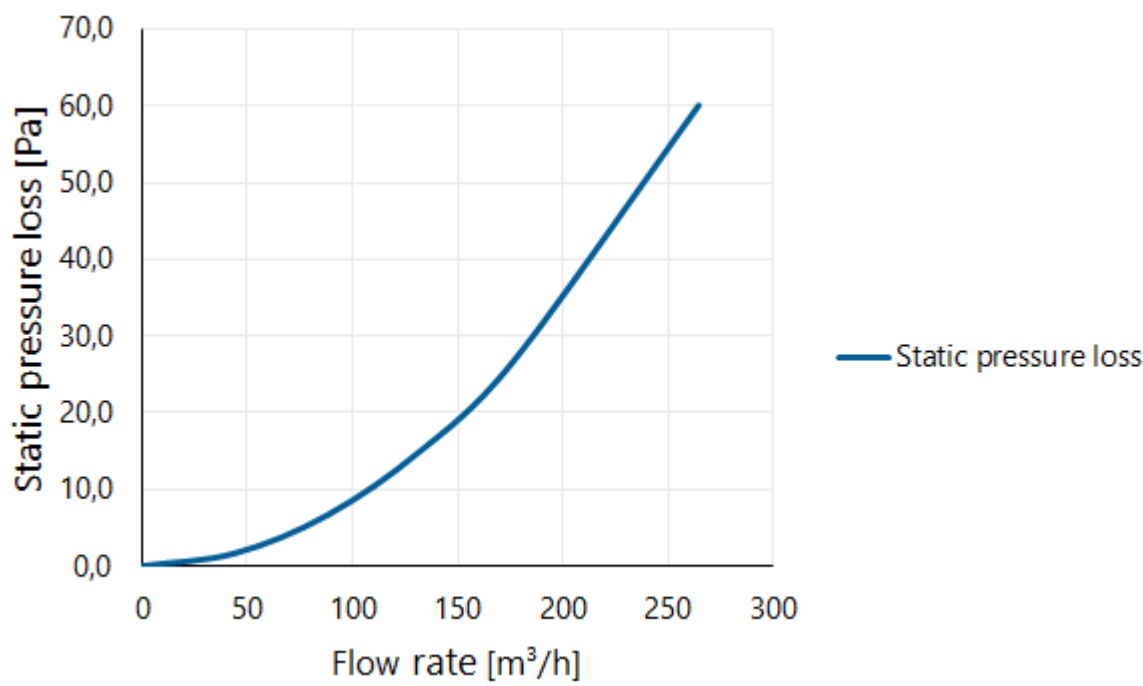
Plenum with flexible duct 92mm and insulated ducting 125mm

Flow velocity pressure table

| Flow rate |        |       | To appliance<br>[Pa] |
|-----------|--------|-------|----------------------|
| [m/s]     | [m³/h] | [l/s] |                      |
| 0         | 0      | 0     | 0,0                  |
| 1         | 44     | 12    | 2,9                  |
| 2         | 88     | 25    | 11,8                 |
| 3         | 133    | 37    | 26,5                 |
| 4         | 177    | 49    | 47,0                 |
| 6         | 265    | 74    | 105,8                |

## Plenum with flexible duct 92mm and insulated ducting 125mm

Pressure loss



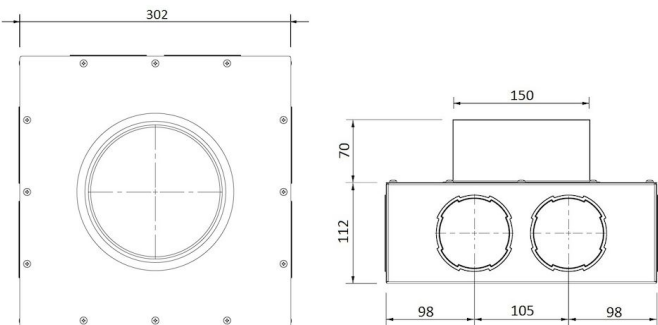
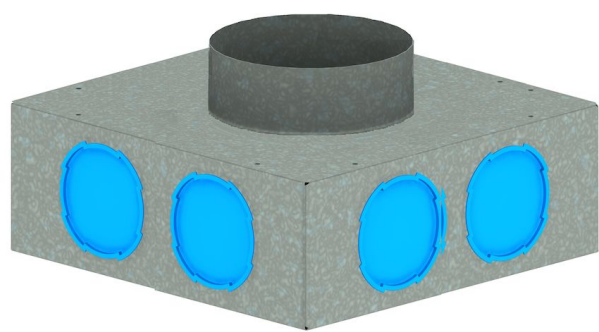
## Plenum with flexible duct 92mm and insulated ducting 125mm

Flow velocity pressure table

| Flow rate |        |       | Static<br>pressure loss |
|-----------|--------|-------|-------------------------|
| [m/s]     | [m³/h] | [l/s] |                         |
| 0         | 0      | 0     | 0,0                     |
| 1         | 44     | 12    | 1,7                     |
| 2         | 88     | 25    | 6,7                     |
| 3         | 133    | 37    | 15,0                    |
| 4         | 177    | 49    | 26,7                    |
| 6         | 265    | 74    | 60,1                    |

General information

Hybalans+ Extraction plenum square 225#8



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400480610                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 2,05                                     |

Dimensions

|                                   |                 |
|-----------------------------------|-----------------|
| Dimensions (l x w x h mm)         | 302 x 302 x 182 |
| Connection diameter flexible (mm) | 75/92           |
| Connection diameter riged (mm)    | 150             |

Application Insights

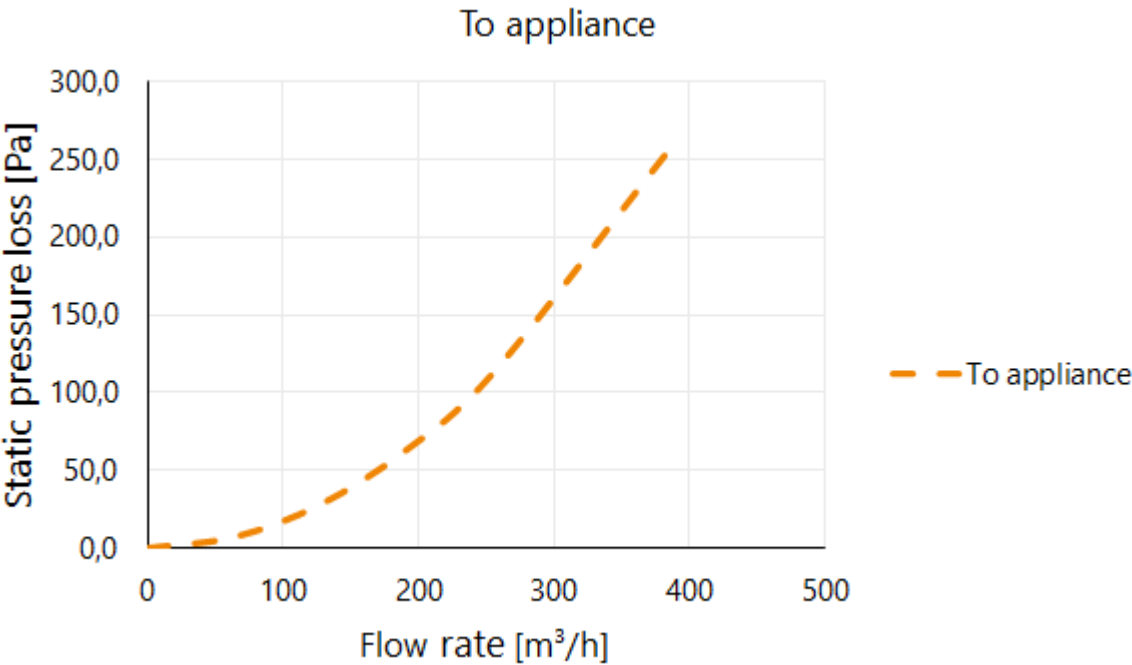
|                        |           |
|------------------------|-----------|
| Intended use           | Air       |
| Supply / Extract       | Extract   |
| Number of connections  | 8         |
| Temperature range (°C) | -25 / +80 |

Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 225 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Plenum with flexible duct 75mm and insulated ducting 150mm

Pressure loss



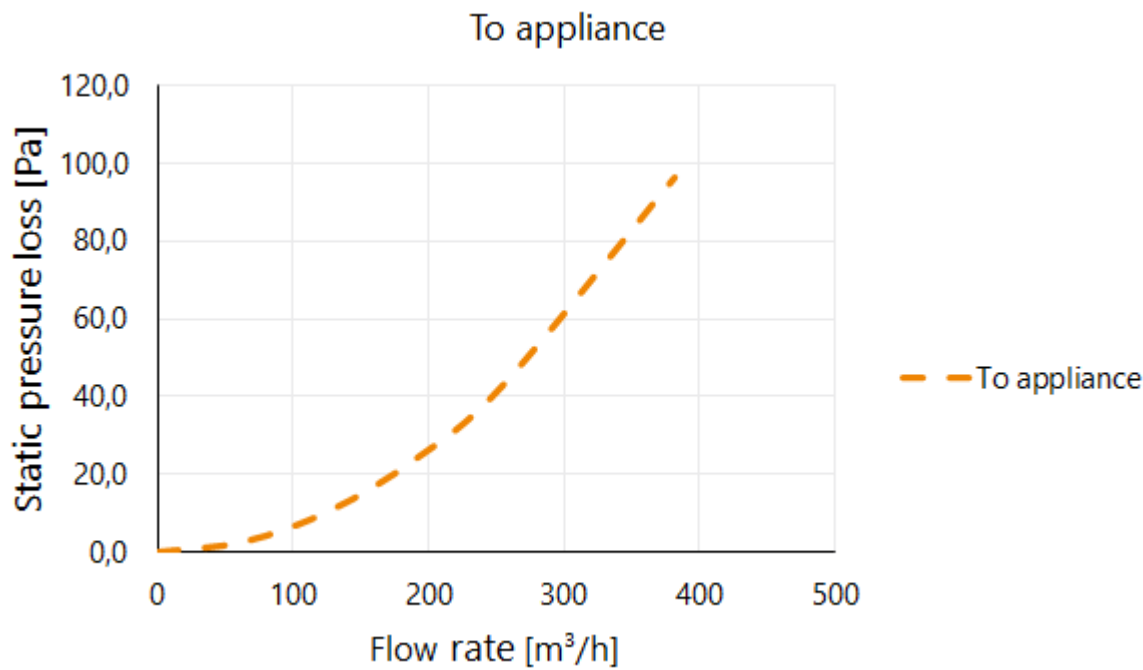
Plenum with flexible duct 75mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | To appliance<br>[Pa] |
|-----------|--------|-------|----------------------|
| [m/s]     | [m³/h] | [l/s] |                      |
| 0         | 0      | 0     | 0,0                  |
| 1         | 64     | 18    | 7,0                  |
| 2         | 127    | 35    | 28,1                 |
| 3         | 191    | 53    | 63,2                 |
| 4         | 254    | 71    | 112,4                |
| 6         | 382    | 106   | 253,0                |

## Plenum with flexible duct 92mm and insulated ducting 150mm

Pressure loss



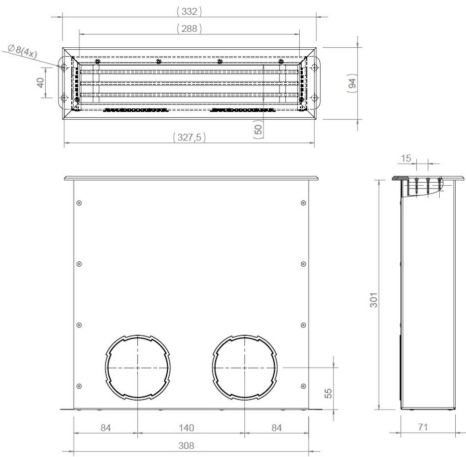
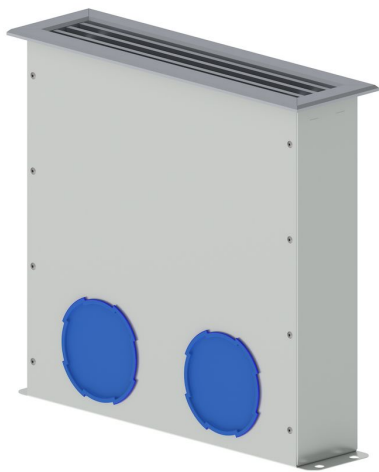
## Plenum with flexible duct 92mm and insulated ducting 150mm

Flow velocity pressure table

| Flow rate |        |       | To appliance<br>[Pa] |
|-----------|--------|-------|----------------------|
| [m/s]     | [m³/h] | [l/s] |                      |
| 0         | 0      | 0     | 0,0                  |
| 1         | 64     | 18    | 2,7                  |
| 2         | 127    | 35    | 10,7                 |
| 3         | 191    | 53    | 24,1                 |
| 4         | 254    | 71    | 42,9                 |
| 6         | 382    | 106   | 96,6                 |

General information

Hybalans+ Floor plenum Supply/Extract shortable 92 #2



Specifications

|                      |                                          |
|----------------------|------------------------------------------|
| Article number       | 400470494                                |
| Product category     | Air extraction plenum / Air distribution |
| Material             | Galvanized                               |
| Colour               | Material own colour                      |
| Wall Thicknesss (mm) | 1                                        |
| Weight (kg)          | 1,87                                     |

Dimensions

|                                   |                |
|-----------------------------------|----------------|
| Dimensions (l x w x h mm)         | 308 x 71 x 301 |
| Connection diameter flexible (mm) | 75/92          |
| Connection diameter rigid (mm)    | -              |

Application Insights

|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 2              |
| Temperature range (°C) | -25 / +80      |

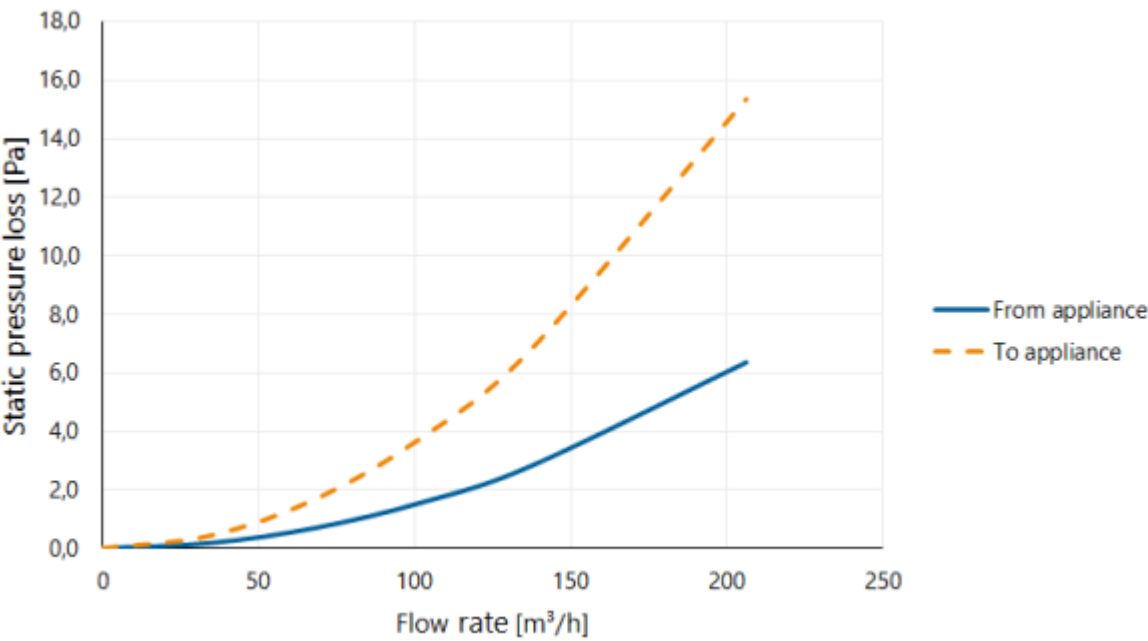
Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 100 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Version MG-DS-400470494-2021.10 • Specifications are subject to change without notice.

Floorplenum with 2x flexible duct 92mm

Pressure loss



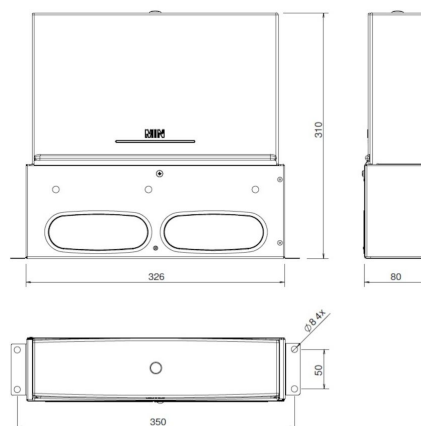
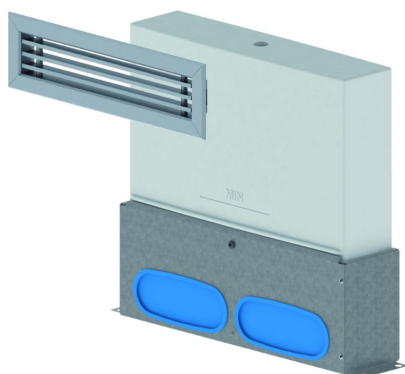
Floorplenum with 2x flexible duct 92mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
| [m/s]     | [m³/h] | [l/s] | From appliance       | To appliance |
|           |        |       | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 34     | 10    | 0,2                  | 0,4          |
| 2         | 69     | 19    | 0,7                  | 1,7          |
| 3         | 103    | 29    | 1,6                  | 3,8          |
| 4         | 138    | 38    | 2,8                  | 6,8          |
| 6         | 206    | 57    | 6,3                  | 15,3         |

## General information

### Hybalans+ Floor plenum Supply/Extract shortable 132x52 #2



## Specifications

|                     |                                          |
|---------------------|------------------------------------------|
| Article number      | 400480445                                |
| Product category    | Air extraction plenum / Air distribution |
| Material            | Galvanized                               |
| Colour              | Material own colour                      |
| Wall Thickness (mm) | 1                                        |
| Weight (kg)         | 1,9                                      |

## Dimensions

|                                   |                |
|-----------------------------------|----------------|
| Dimensions (l x w x h mm)         | 350 x 80 x 310 |
| Connection diameter flexible (mm) | 132x52         |
| Connection diameter rigid (mm)    | -              |

## Application Insights

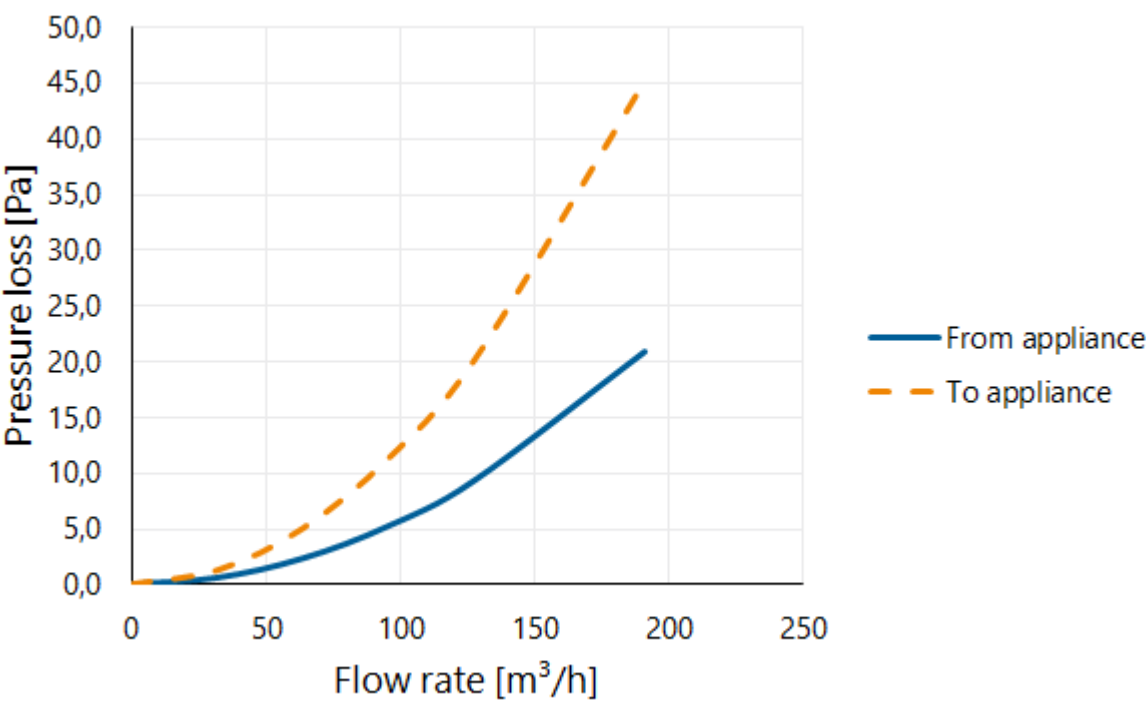
|                        |                |
|------------------------|----------------|
| Intended use           | Air            |
| Supply / Extract       | Supply/Extract |
| Number of connections  | 2              |
| Temperature range (°C) | -25 / +80      |

## Technical Specifications

|                         |     |
|-------------------------|-----|
| Maximum air flow (m³/h) | 100 |
| Air Tightness Class     | 3   |
| R-value (m²K/W)         | 0   |
| Other specifications    | -   |

Floorplenum with 2x flexible duct 132x52mm

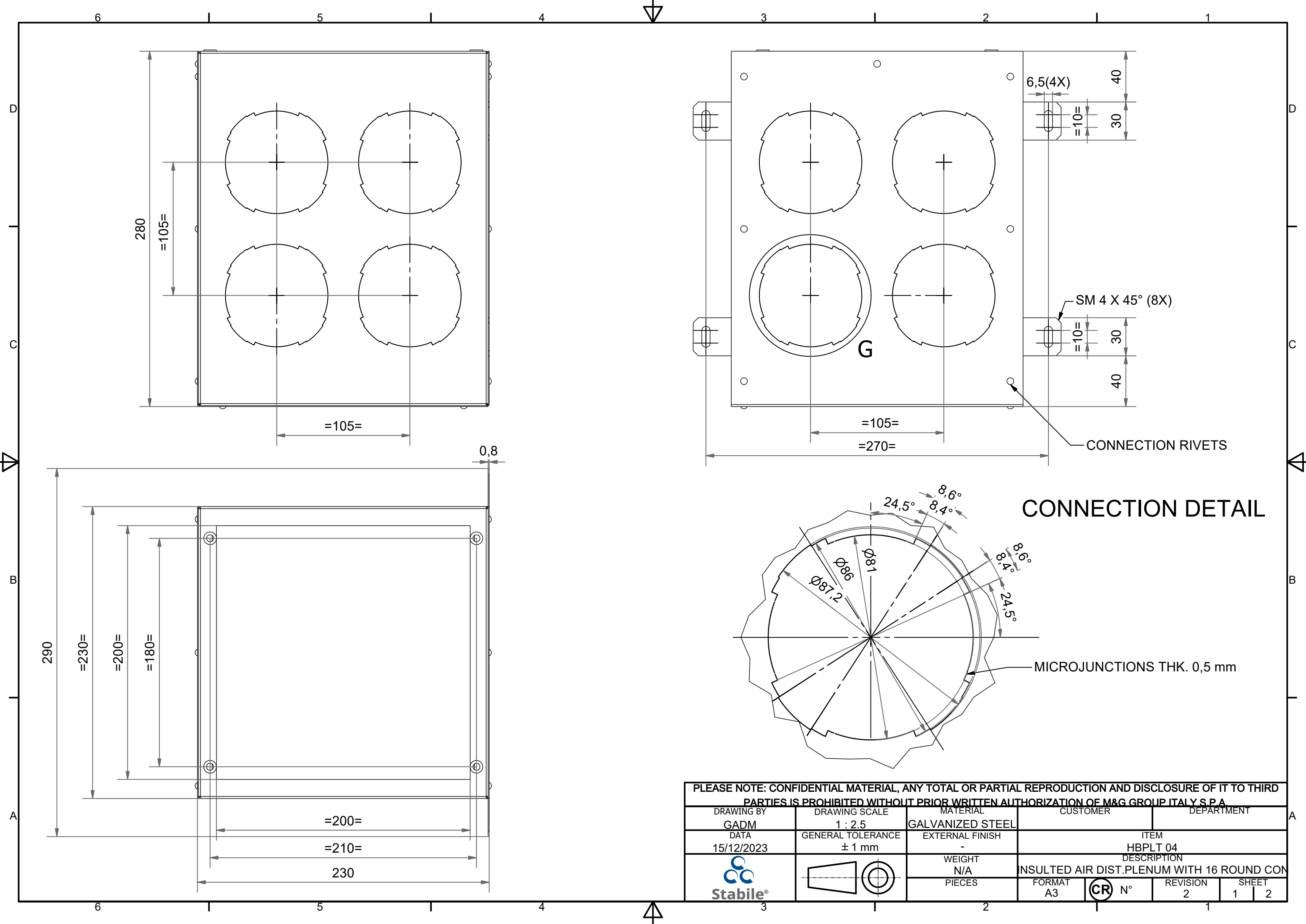
Pressure loss



Floorplenum with flexible duct 132x52mm

Flow velocity pressure table

| Flow rate |        |       | Static pressure loss |              |
|-----------|--------|-------|----------------------|--------------|
|           |        |       | From appliance       | To appliance |
| [m/s]     | [m³/h] | [l/s] | [Pa]                 | [Pa]         |
| 0         | 0      | 0     | 0,0                  | 0,0          |
| 1         | 32     | 9     | 0,6                  | 1,3          |
| 2         | 64     | 18    | 2,3                  | 5,0          |
| 3         | 95     | 27    | 5,2                  | 11,3         |
| 4         | 127    | 35    | 9,3                  | 20,1         |
| 6         | 191    | 53    | 20,9                 | 45,2         |



D

C

B

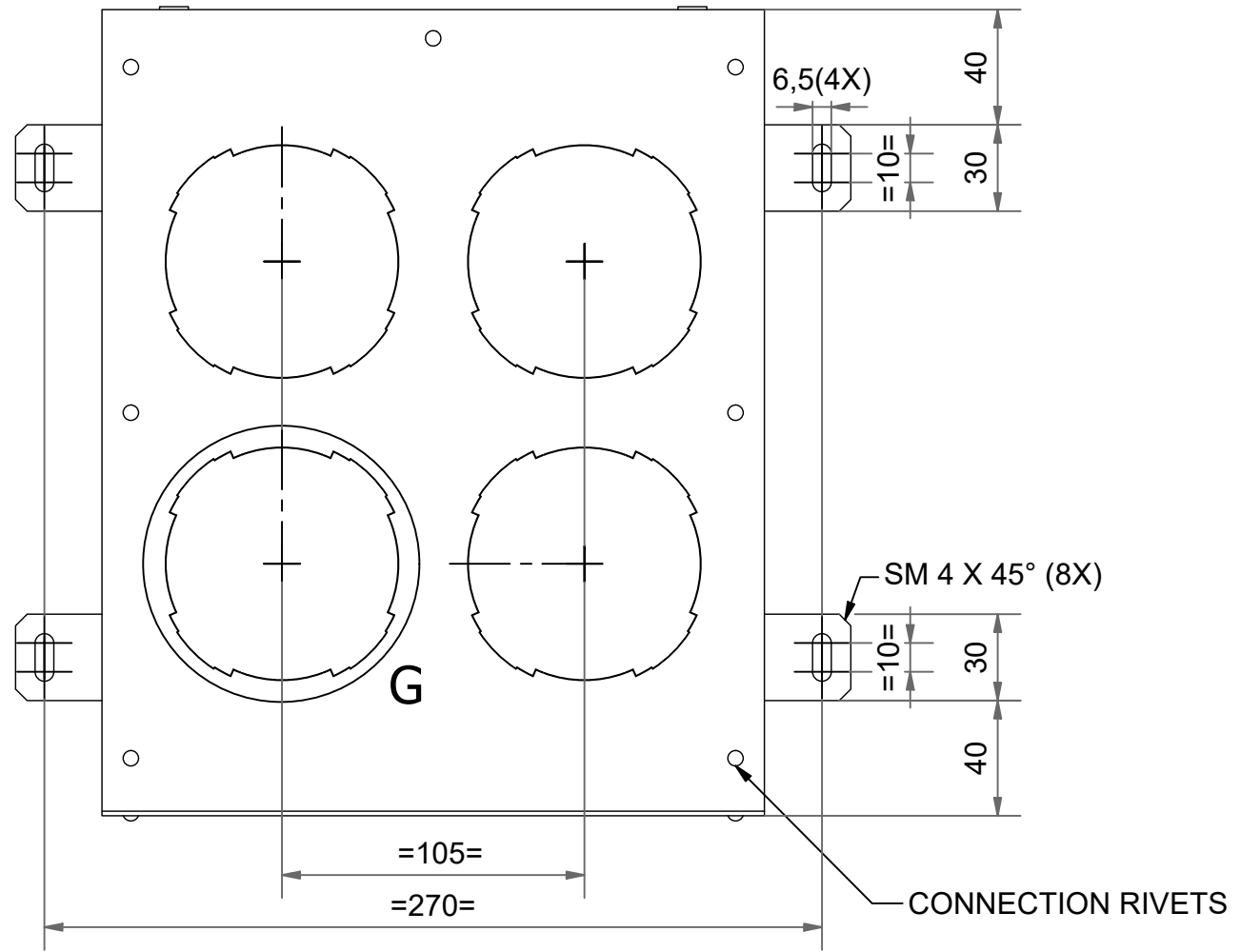
A

D

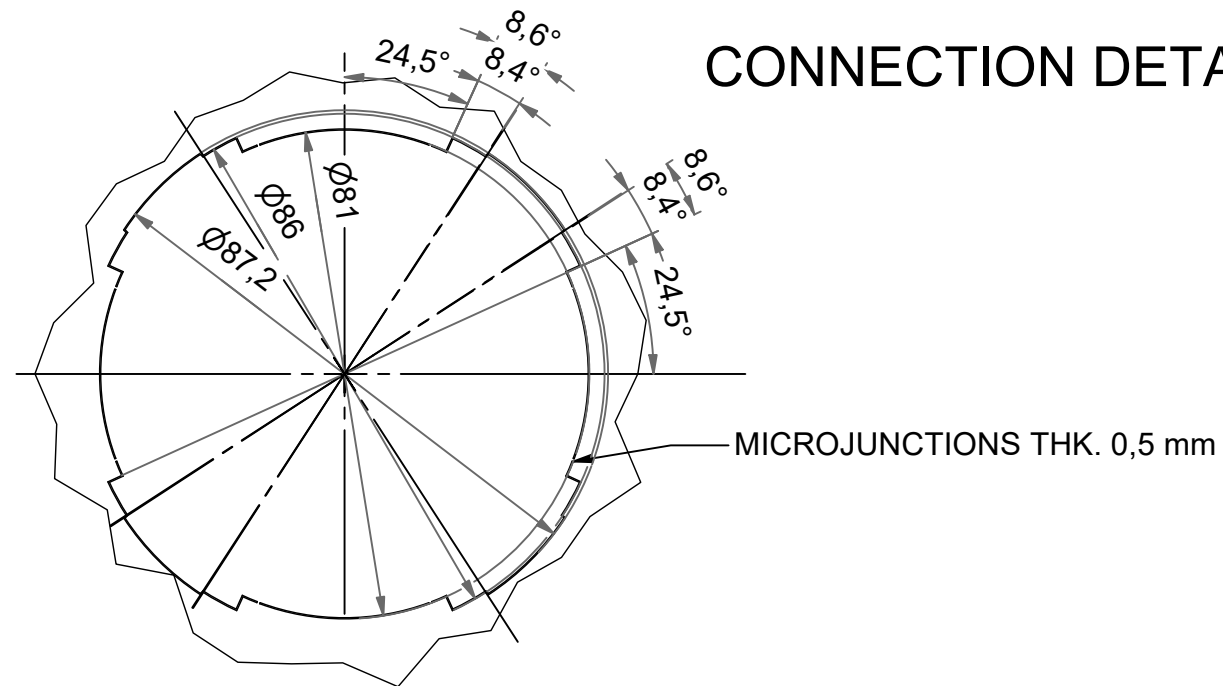
C

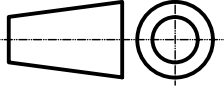
B

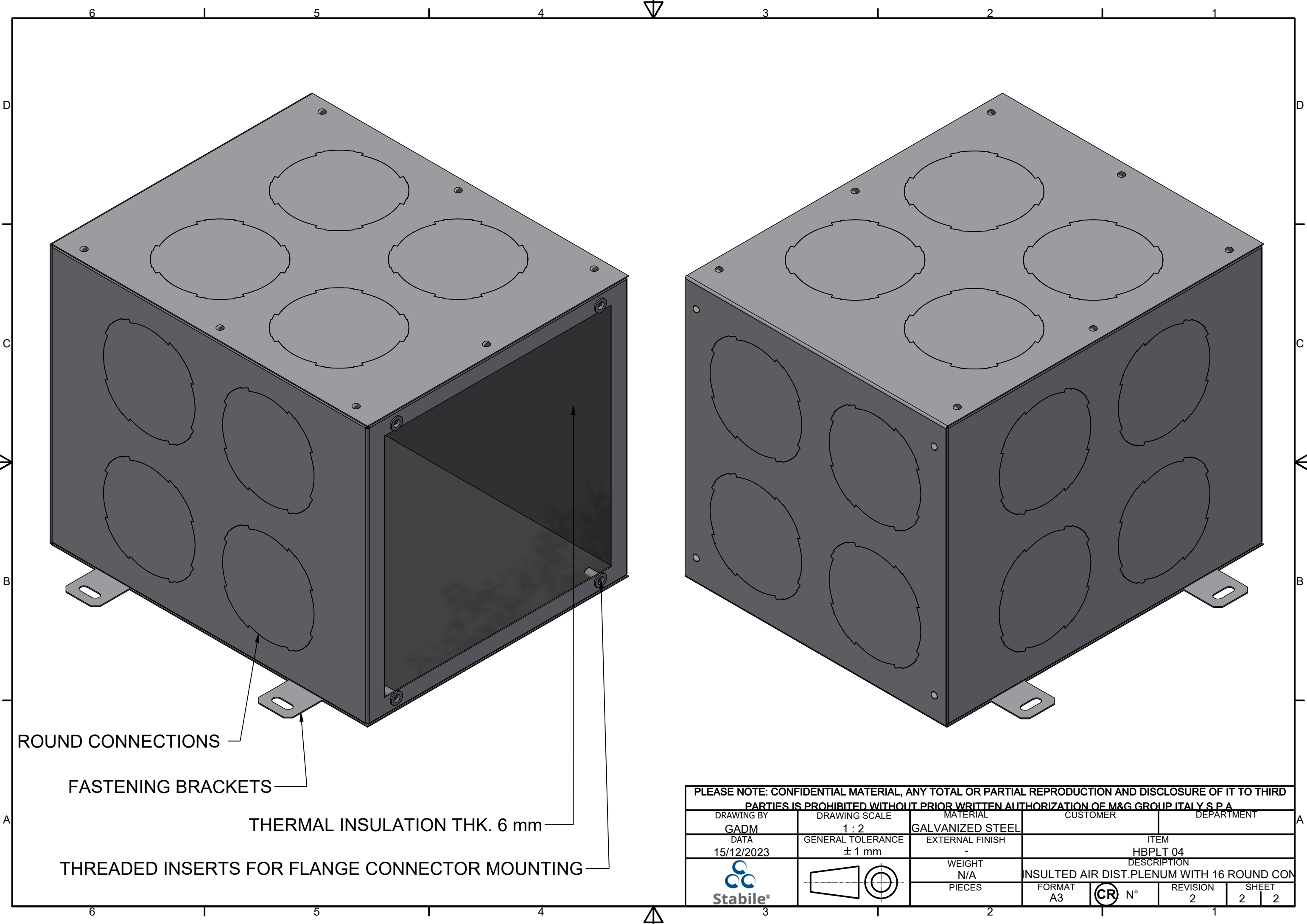
A



### CONNECTION DETAIL



|                                                                                                                                                                                         |                                                                                       |                              |                                                            |                                                                                          |               |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|------------|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                   |                                                                                          | DEPARTMENT    |            |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLT 04                                           |                                                                                          |               |            |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST.PLENUM WITH 16 ROUND CON |                                                                                          |               |            |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                               |  N° | REVISION<br>2 | SHEET<br>1 |
|                                                                                                                                                                                         |                                                                                       |                              |                                                            |                                                                                          |               |            |

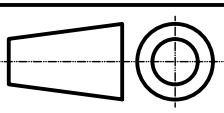


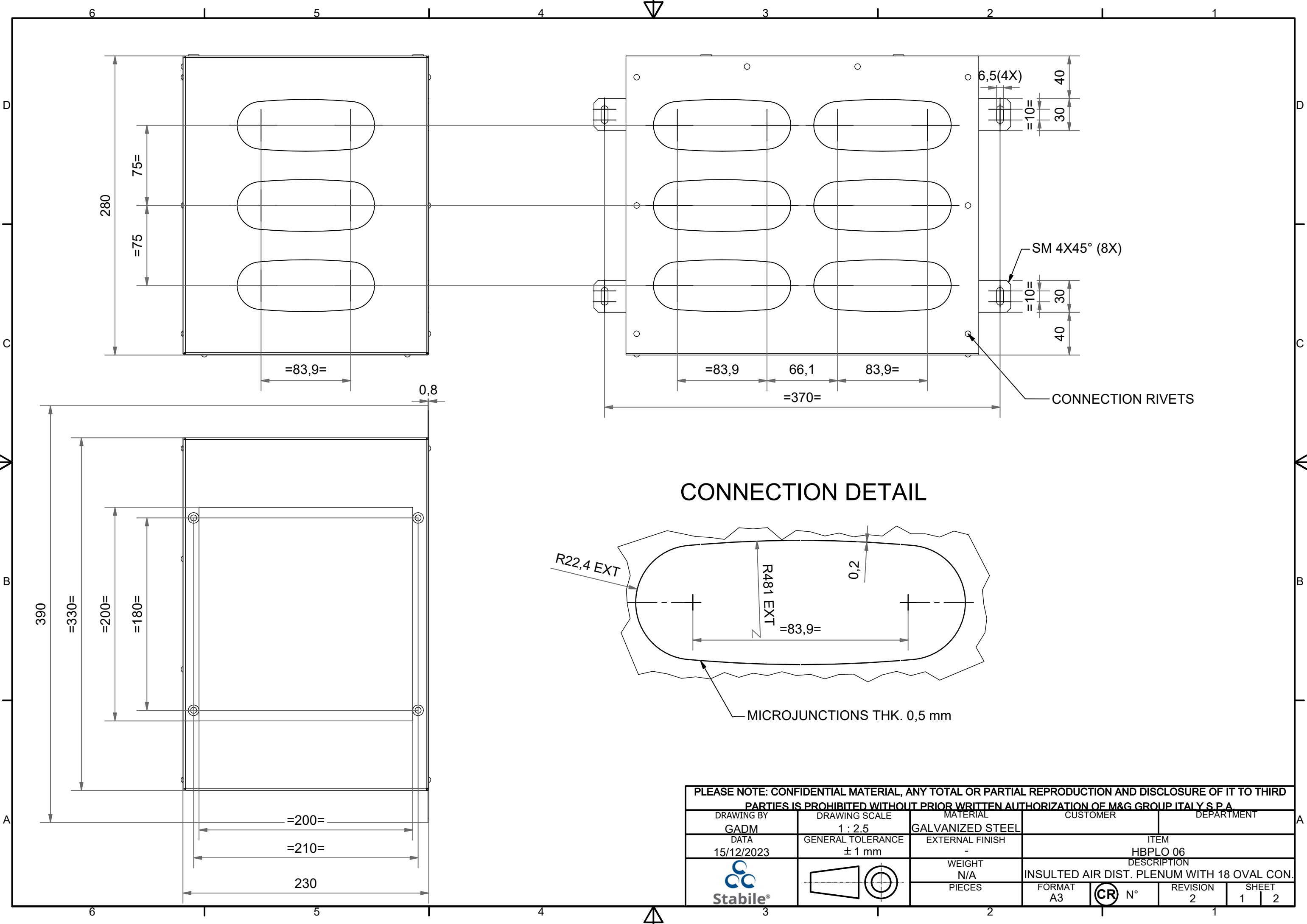
ROUND CONNECTIONS

FASTENING BRACKETS

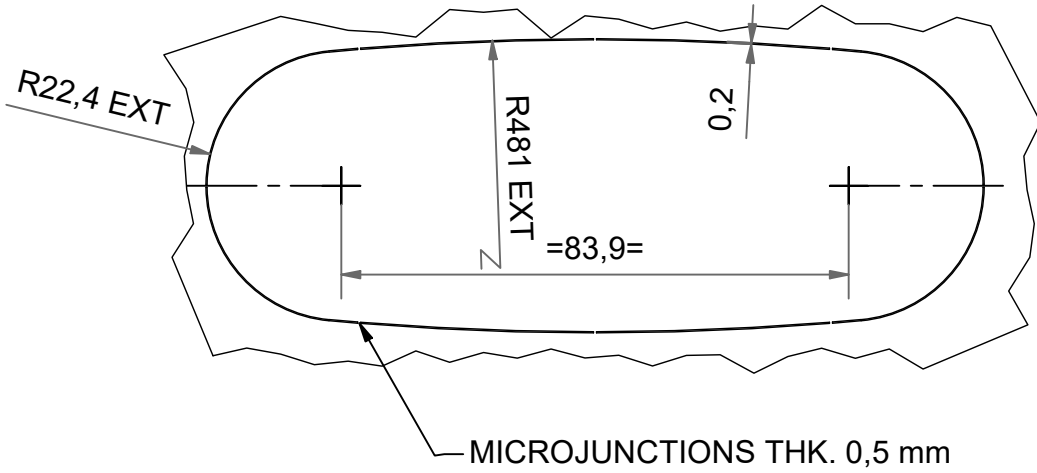
THERMAL INSULATION THK. 6 mm

THREADED INSERTS FOR FLANGE CONNECTOR MOUNTING

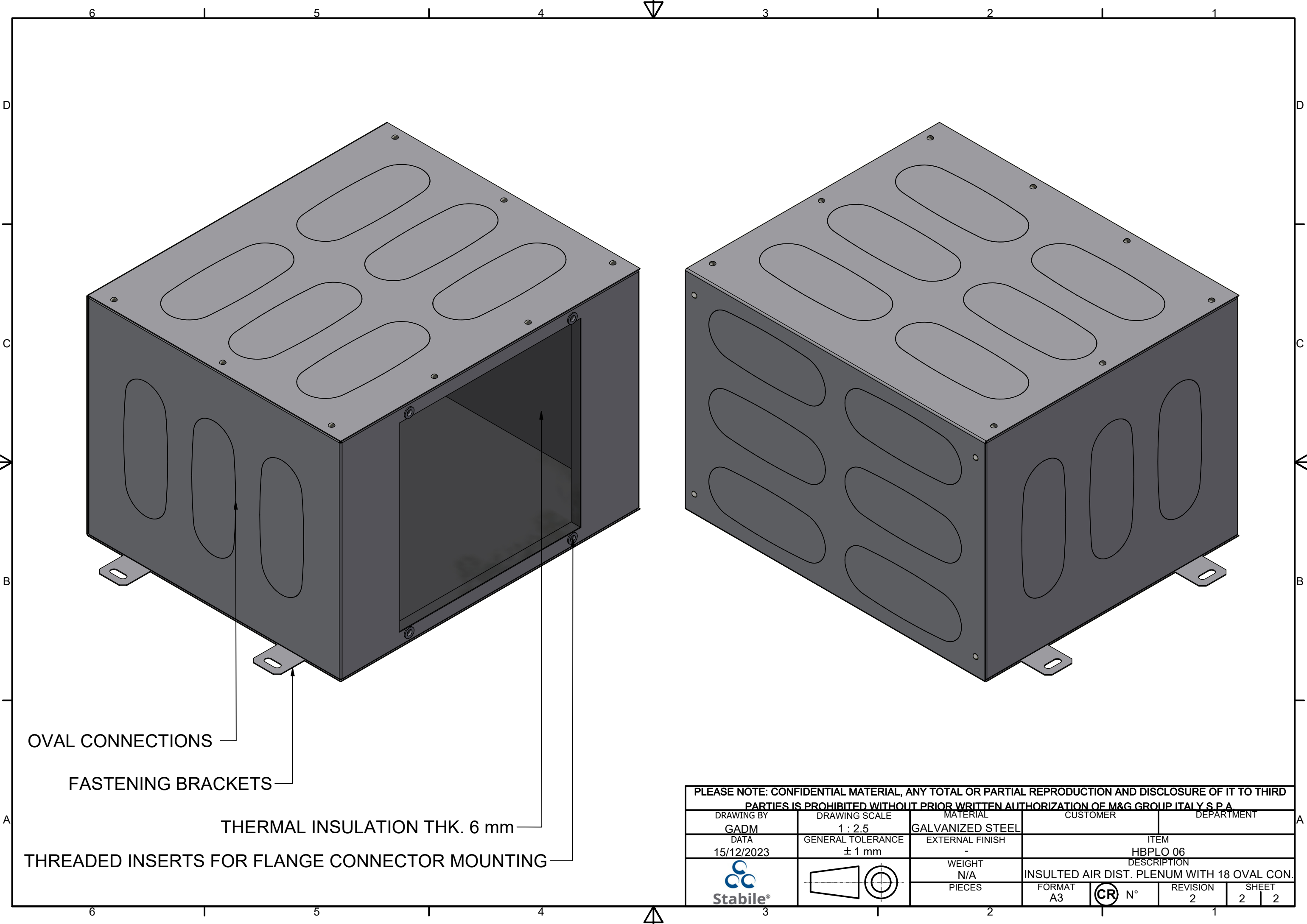
|                                                                                                                                                                                         |                                                                                       |                              |                                                            |                                                                                          |               |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|----------------|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2                                                                | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                   |                                                                                          | DEPARTMENT    |                |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLT 04                                           |                                                                                          |               |                |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST.PLENUM WITH 16 ROUND CON |                                                                                          |               |                |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                               |  N° | REVISION<br>2 | SHEET<br>2   2 |



CONNECTION DETAIL



|                                                                                                                                                                                         |                                                                                       |                              |                                                             |                                                                                          |               |                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|----------------|--|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                    |                                                                                          | DEPARTMENT    |                |  |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLO 06                                            |                                                                                          |               |                |  |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST. PLENUM WITH 18 OVAL CON. |                                                                                          |               |                |  |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                                |  N° | REVISION<br>2 | SHEET<br>1   2 |  |

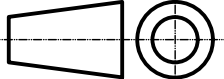


OVAL CONNECTIONS

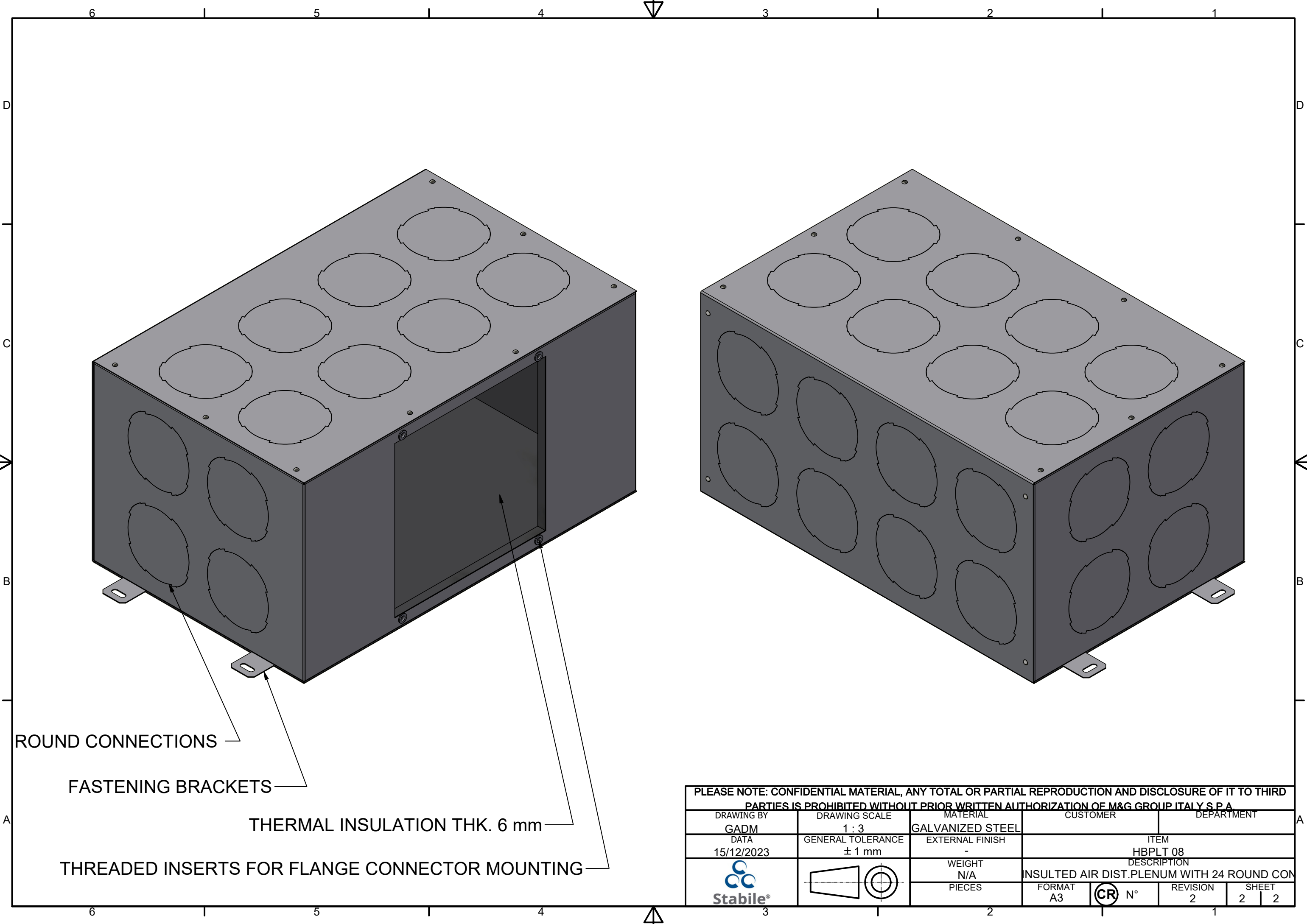
FASTENING BRACKETS

THERMAL INSULATION THK. 6 mm

THREADED INSERTS FOR FLANGE CONNECTOR MOUNTING

|                                                                                                                                                                                         |                                                                                       |                              |                                                             |                                                                                          |               |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|----------------|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                    |                                                                                          | DEPARTMENT    |                |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLO 06                                            |                                                                                          |               |                |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST. PLENUM WITH 18 OVAL CON. |                                                                                          |               |                |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                                |  N° | REVISION<br>2 | SHEET<br>2   2 |





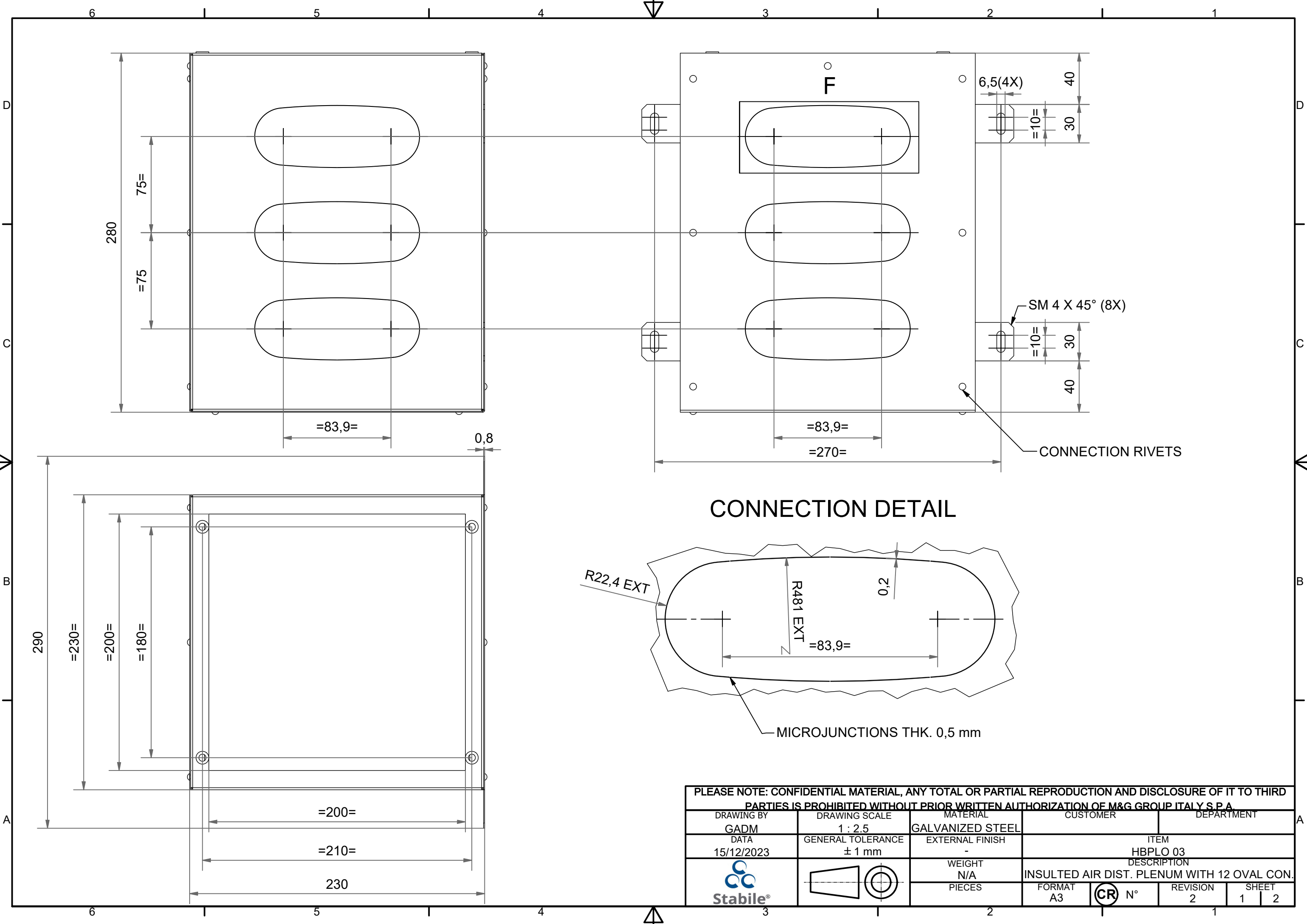
ROUND CONNECTIONS

FASTENING BRACKETS

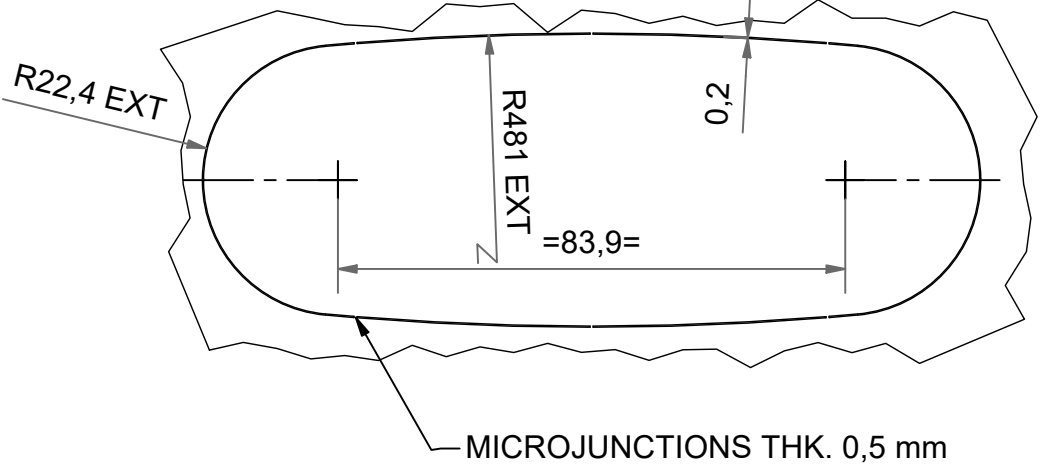
THERMAL INSULATION THK. 6 mm

THREADED INSERTS FOR FLANGE CONNECTOR MOUNTING

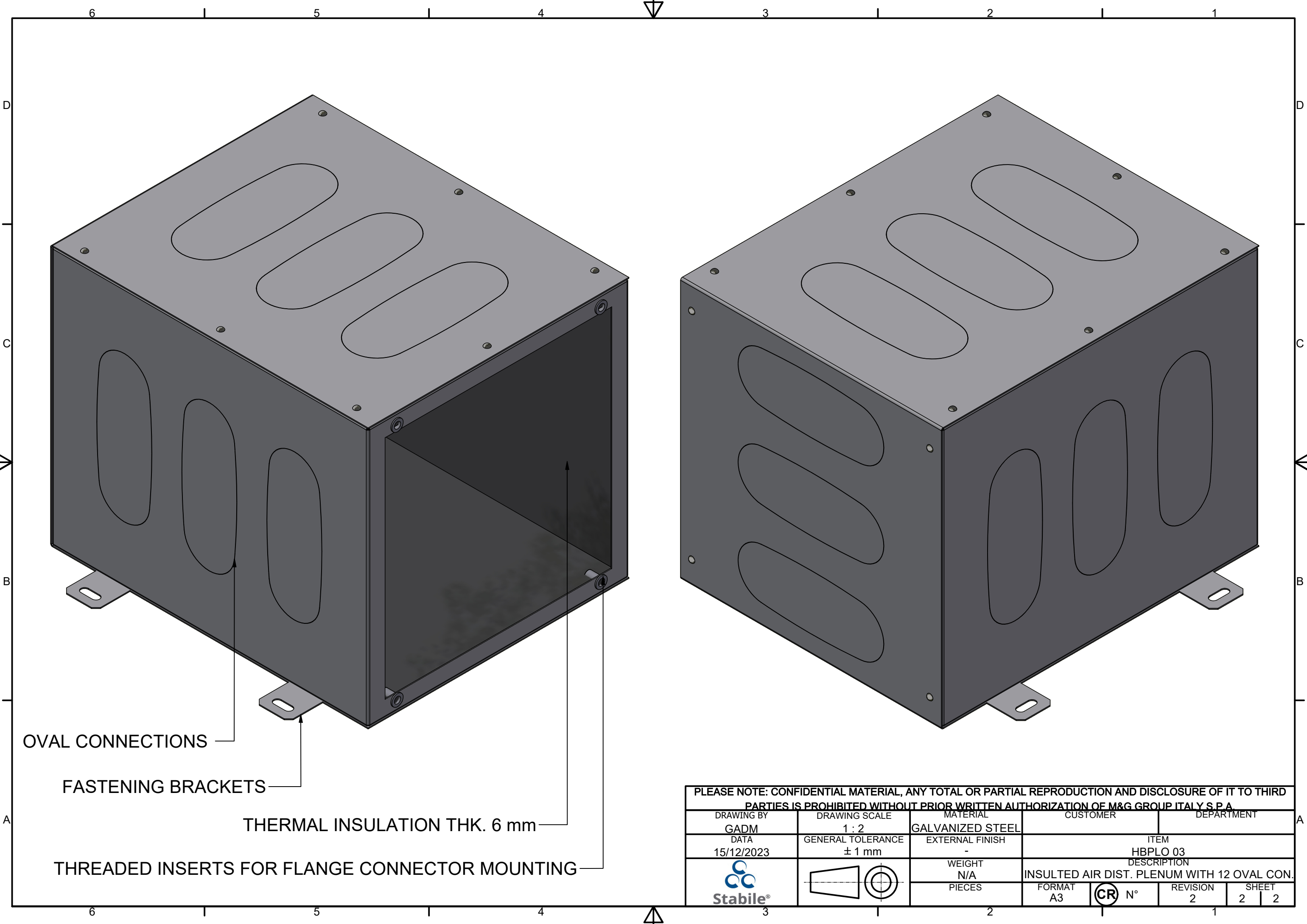
|                                                                                                                                                                                         |                                                                                       |                              |                                                            |                                                                                          |               |            |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|------------|---|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 3                                                                | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                   |                                                                                          | DEPARTMENT    |            |   |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLT 08                                           |                                                                                          |               |            |   |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST.PLENUM WITH 24 ROUND CON |                                                                                          |               |            |   |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                               |  N° | REVISION<br>2 | SHEET<br>2 | 2 |

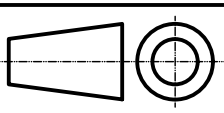


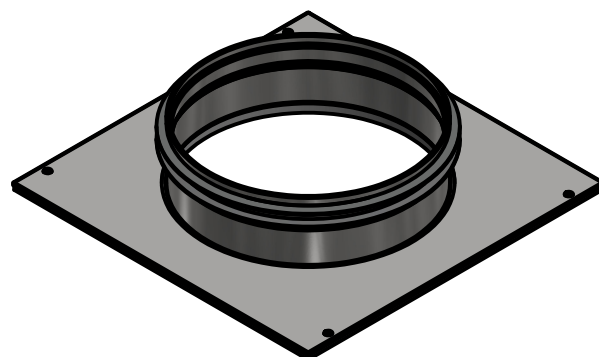
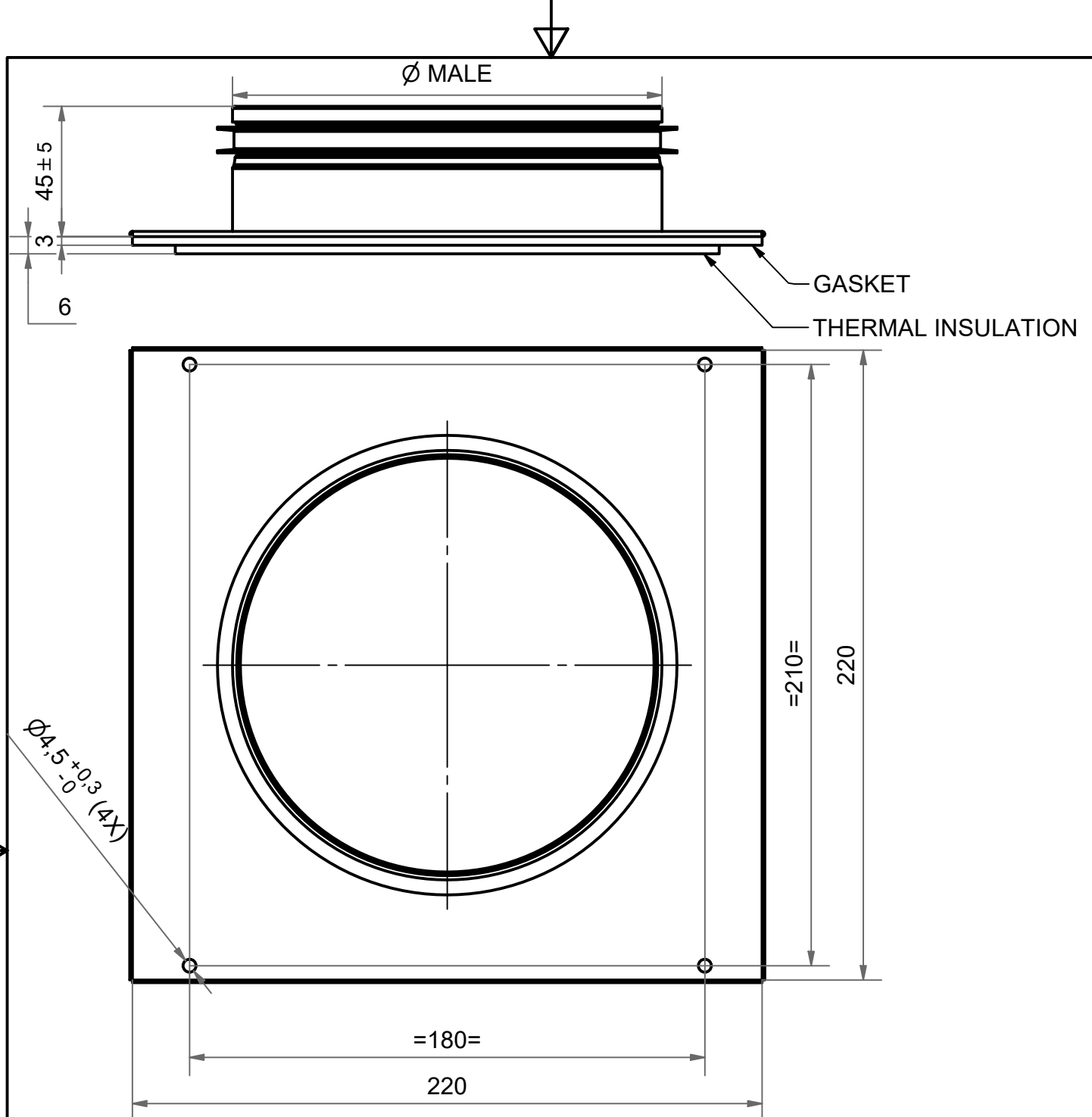
CONNECTION DETAIL



|                                                                                                                                                                                         |                                                                                       |                              |                                                             |                                                                                          |               |            |                |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------|------------|----------------|--|--|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                    |                                                                                          |               | DEPARTMENT |                |  |  |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLO 03                                            |                                                                                          |               |            |                |  |  |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST. PLENUM WITH 12 OVAL CON. |                                                                                          |               |            |                |  |  |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                                |  N° | REVISION<br>2 |            | SHEET<br>1   2 |  |  |
| 3                                                                                                                                                                                       |                                                                                       | 2                            |                                                             | 1                                                                                        |               |            |                |  |  |



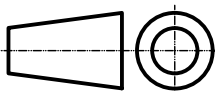
|                                                                                                                                                                                         |                                                                                       |                              |                                                             |                                                                                          |               |                |
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2                                                                | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                    |                                                                                          | DEPARTMENT    |                |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLO 03                                            |                                                                                          |               |                |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST. PLENUM WITH 12 OVAL CON. |                                                                                          |               |                |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                                |  N° | REVISION<br>2 | SHEET<br>2   2 |

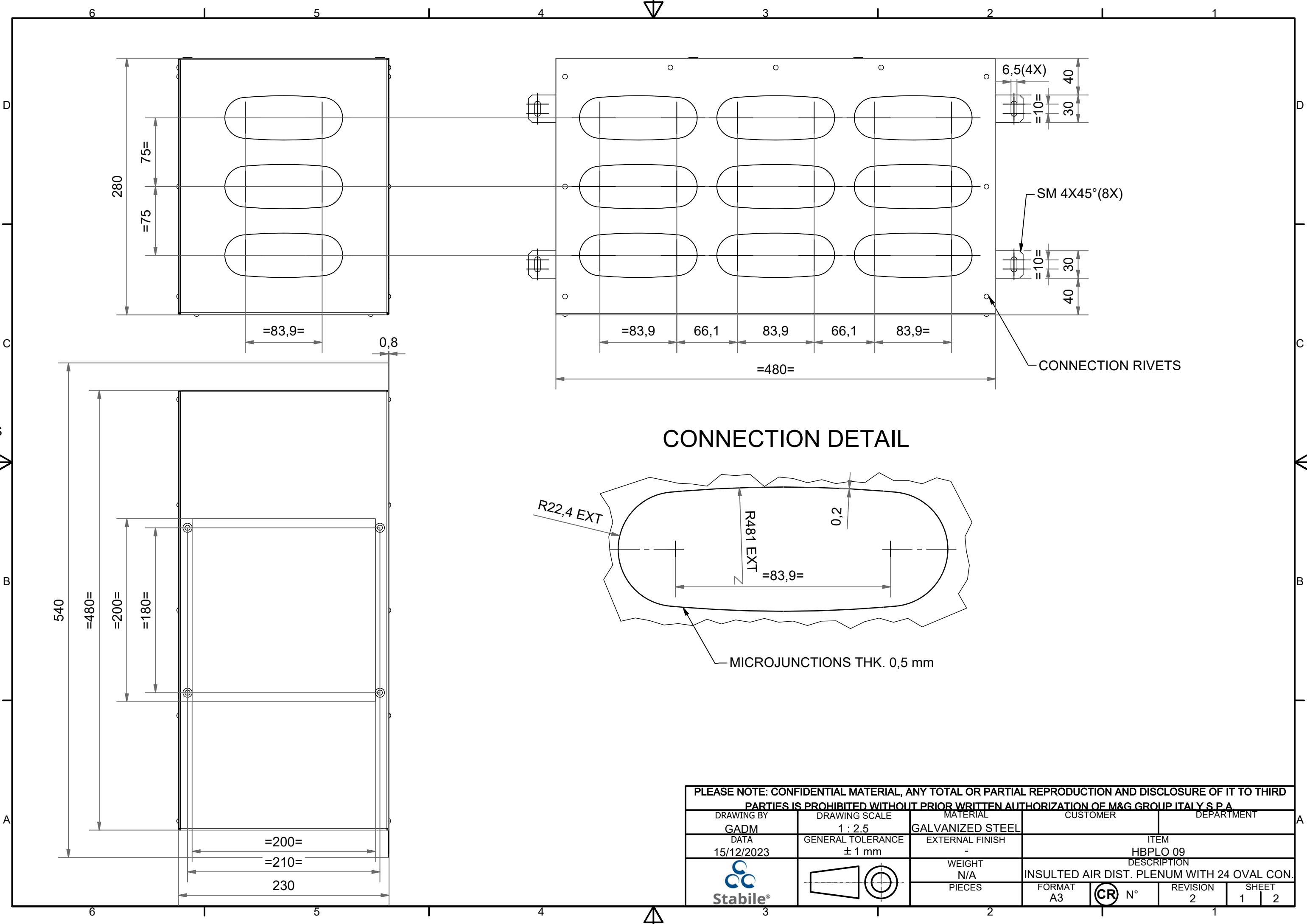


| ART. NUMBER  | Ø      |
|--------------|--------|
| HBBL 01 D125 | 125 mm |
| HBBL 01 D150 | 150 mm |
| HBBL 01 D160 | 160 mm |
| HBBL 01 D180 | 180 mm |
| HBBL 01 D200 | 200 mm |

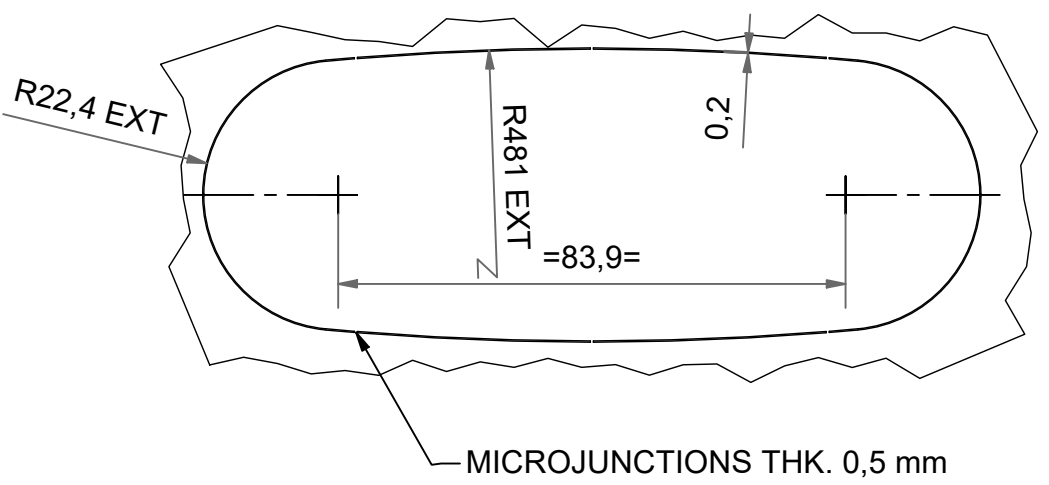
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| DRAWING BY | DRAWING SCALE     | MATERIAL         | CUSTOMER     | DEPARTMENT             |
|------------|-------------------|------------------|--------------|------------------------|
| GADM       | 1 : 2             | GALVANIZED STEEL |              |                        |
| DATA       | GENERAL TOLERANCE | EXTERNAL FINISH  | ITEM         | DESCRIPTION            |
| 19/12/2023 | ± 1 mm            | -                | HBBL 01 Dxxx | FLANGED CONNECTOR Dxxx |
|            |                   | WEIGHT           | FORMAT       | REVISION               |
|            |                   | N/A              | A4           | 1                      |
|            |                   | PIECES           | CR N°        | SHEET                  |
|            |                   |                  |              | 1   1                  |

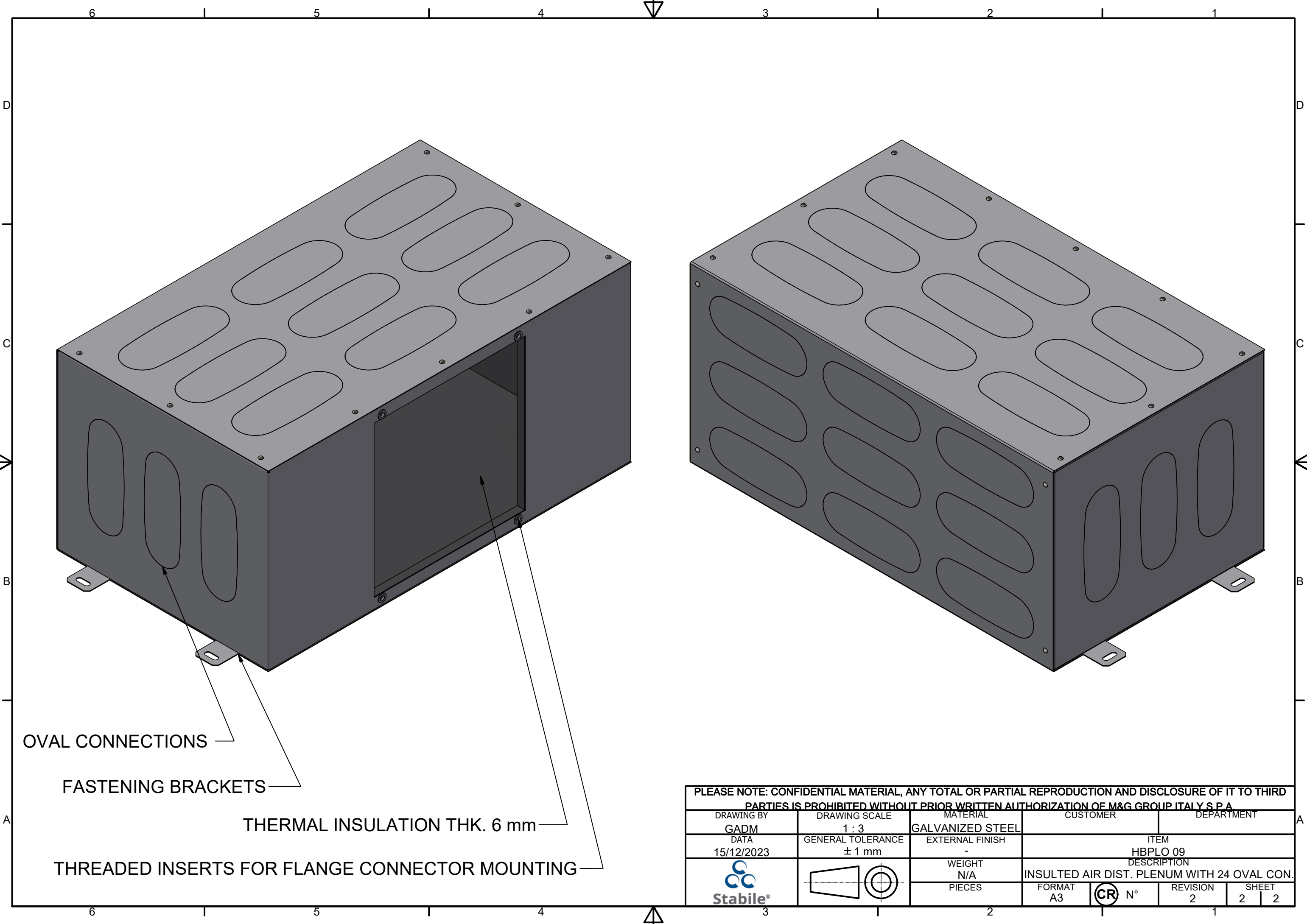




CONNECTION DETAIL



|                                                                                                                                                                                         |                                                                                       |                              |                                                                                          |               |  |            |  |   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------|---------------|--|------------|--|---|--|
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                                                 |               |  | DEPARTMENT |  |   |  |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLO 09                                                                         |               |  |            |  |   |  |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST. PLENUM WITH 24 OVAL CON.                              |               |  |            |  |   |  |
|                                                                                                                                                                                         |                                                                                       | PIECES                       |                                                                                          |               |  |            |  |   |  |
| FORMAT<br>A3                                                                                                                                                                            |                                                                                       |                              |  N° | REVISION<br>2 |  | SHEET<br>1 |  | 2 |  |

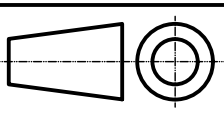


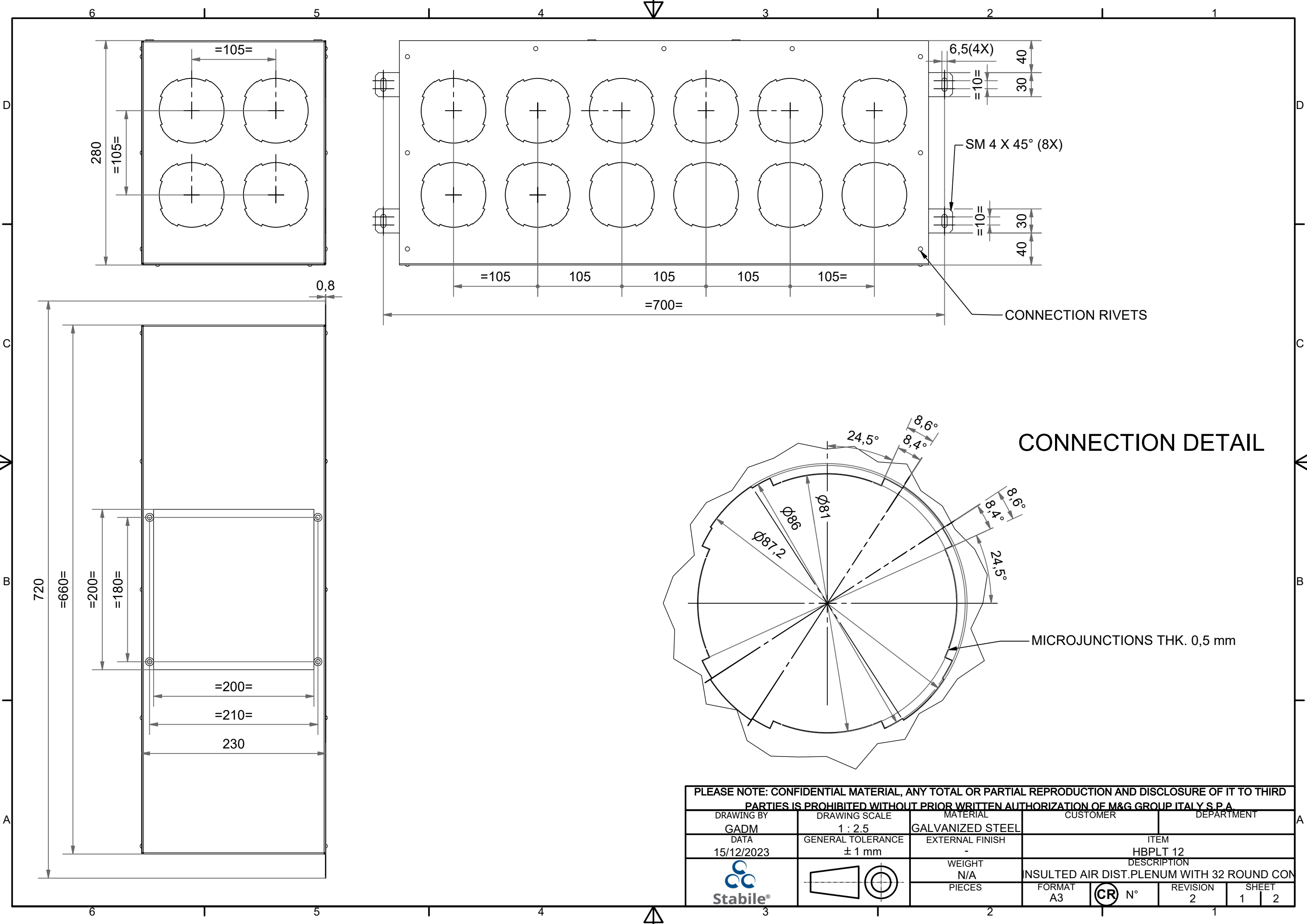
OVAL CONNECTIONS

FASTENING BRACKETS

THERMAL INSULATION THK. 6 mm

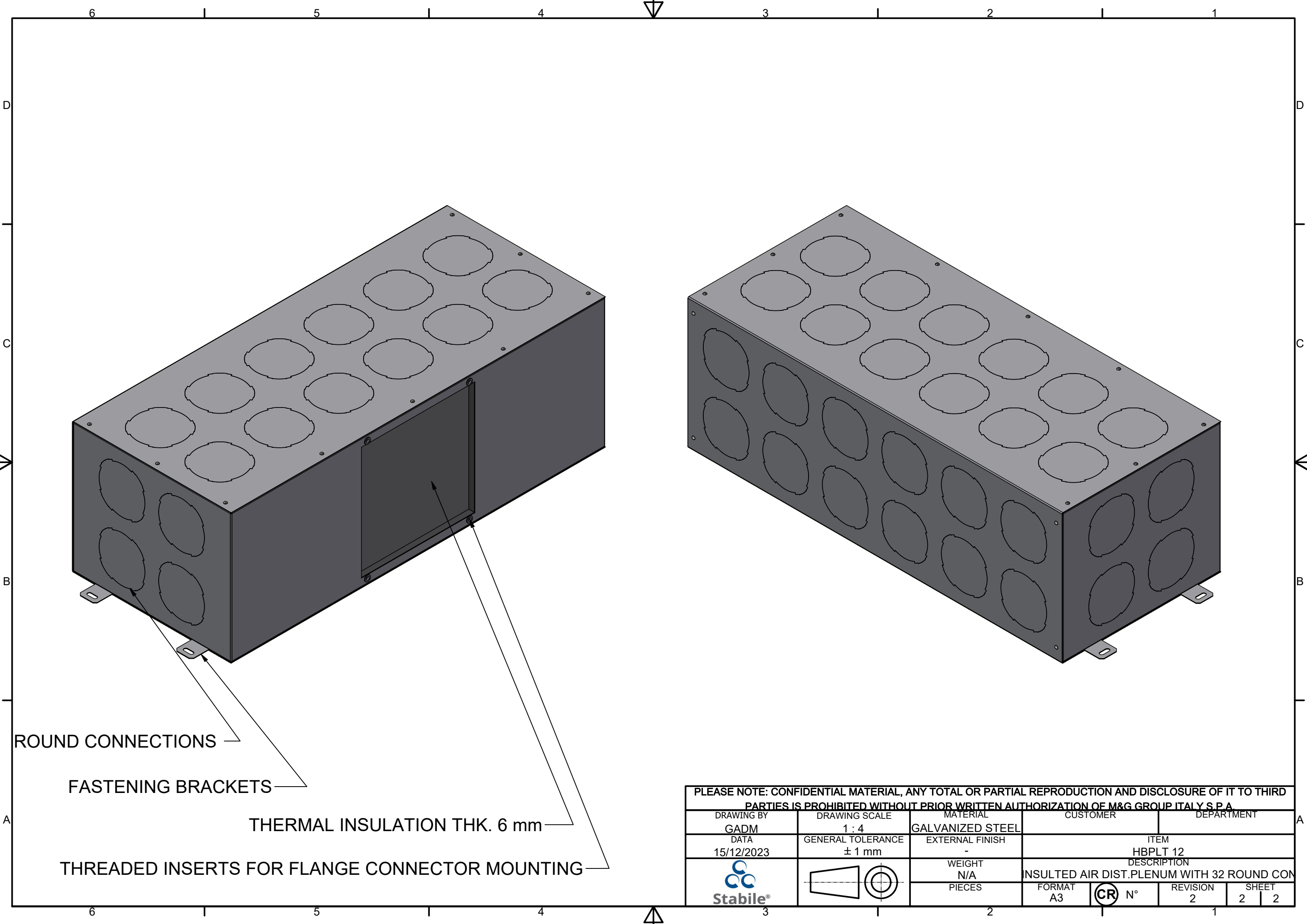
THREADED INSERTS FOR FLANGE CONNECTOR MOUNTING

|                                                                                                                                                                                         |  |                                                                                       |  |                              |  |                                                                                          |  |               |  |
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| DRAWING BY<br>GADM                                                                                                                                                                      |  | DRAWING SCALE<br>1 : 3                                                                |  | MATERIAL<br>GALVANIZED STEEL |  | CUSTOMER                                                                                 |  | DEPARTMENT    |  |
| DATA<br>15/12/2023                                                                                                                                                                      |  | GENERAL TOLERANCE<br>± 1 mm                                                           |  | EXTERNAL FINISH<br>-         |  | ITEM<br>HBPLO 09                                                                         |  |               |  |
|                                                                                                    |  |  |  | WEIGHT<br>N/A                |  | DESCRIPTION<br>INSULATED AIR DIST. PLENUM WITH 24 OVAL CON.                              |  |               |  |
|                                                                                                                                                                                         |  |                                                                                       |  | PIECES                       |  |                                                                                          |  |               |  |
|                                                                                                                                                                                         |  |                                                                                       |  | FORMAT<br>A3                 |  |  N° |  | REVISION<br>2 |  |
|                                                                                                                                                                                         |  |                                                                                       |  |                              |  |                                                                                          |  | SHEET<br>2 2  |  |



CONNECTION DETAIL

|                                                                                                                                                                                         |                                                                                       |                              |                                                           |                                                                                          |               |                |
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                  |                                                                                          | DEPARTMENT    |                |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLT 12                                          |                                                                                          |               |                |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULTED AIR DIST.PLENUM WITH 32 ROUND CON |                                                                                          |               |                |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                              |  N° | REVISION<br>2 | SHEET<br>1   2 |

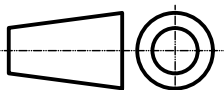


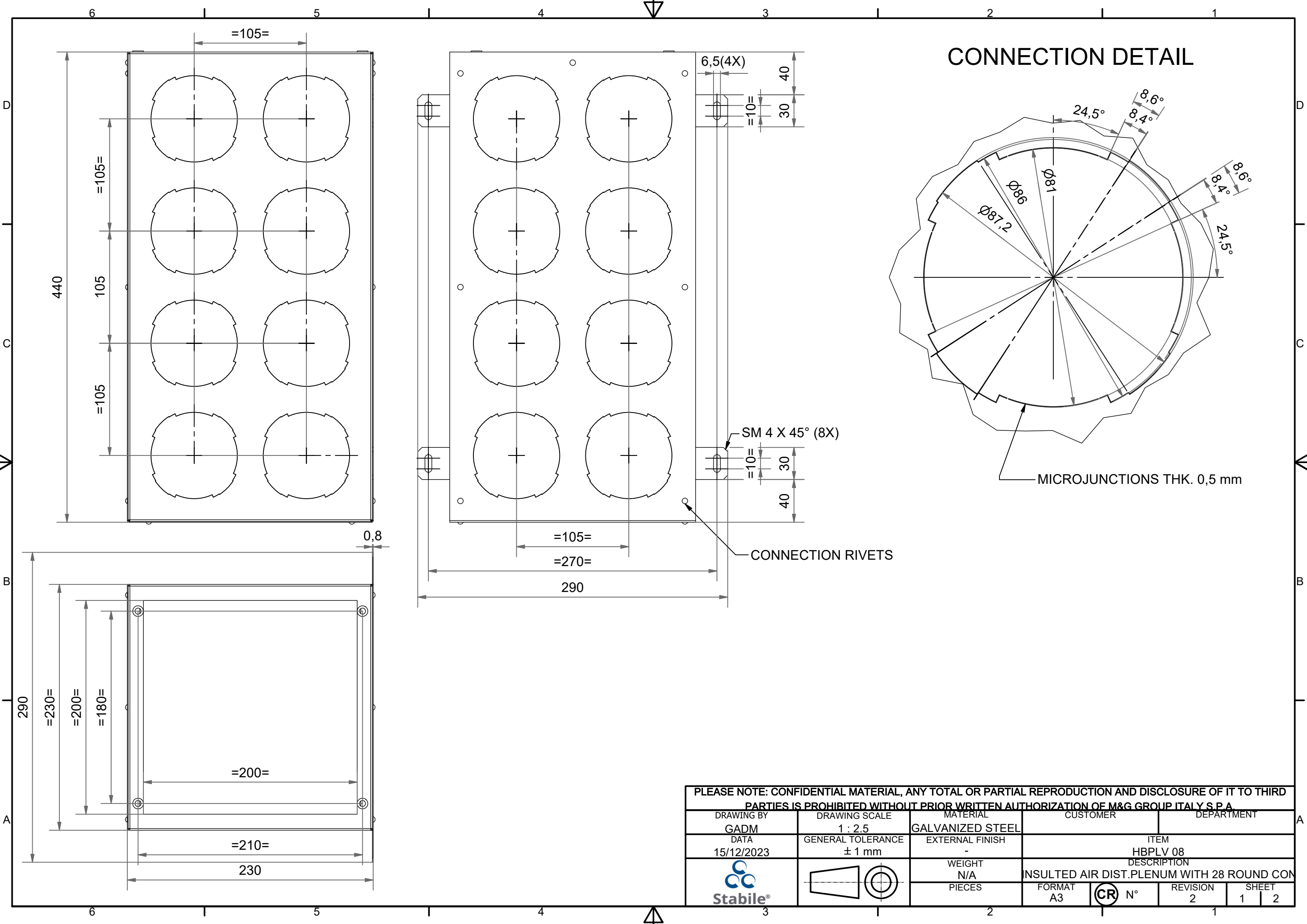
ROUND CONNECTIONS

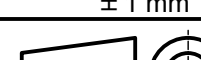
FASTENING BRACKETS

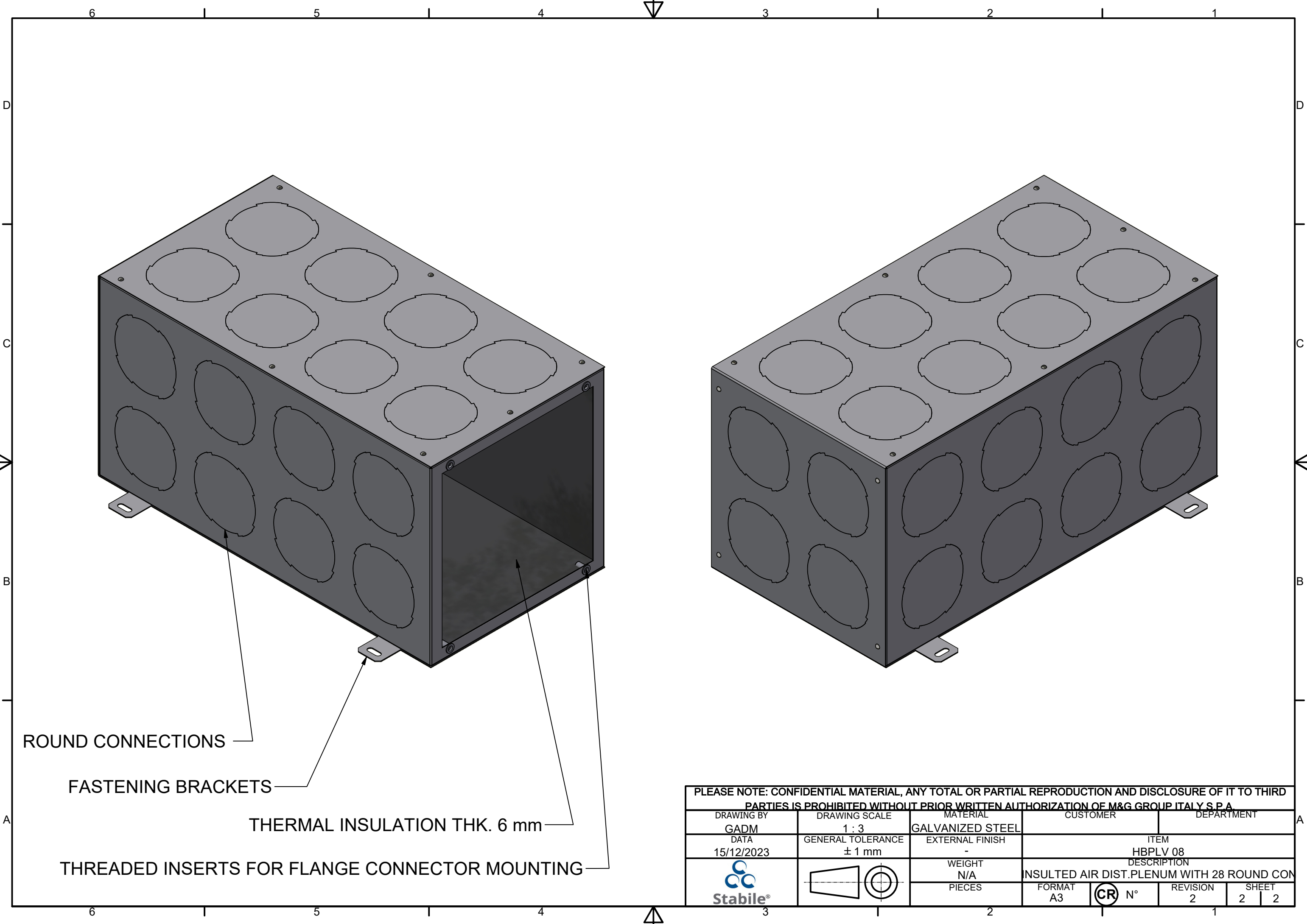
THERMAL INSULATION THK. 6 mm

THREADED INSERTS FOR FLANGE CONNECTOR MOUNTING

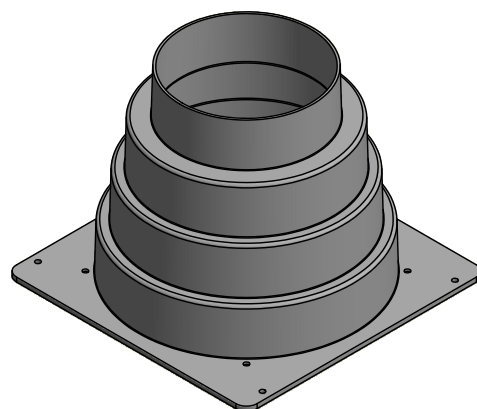
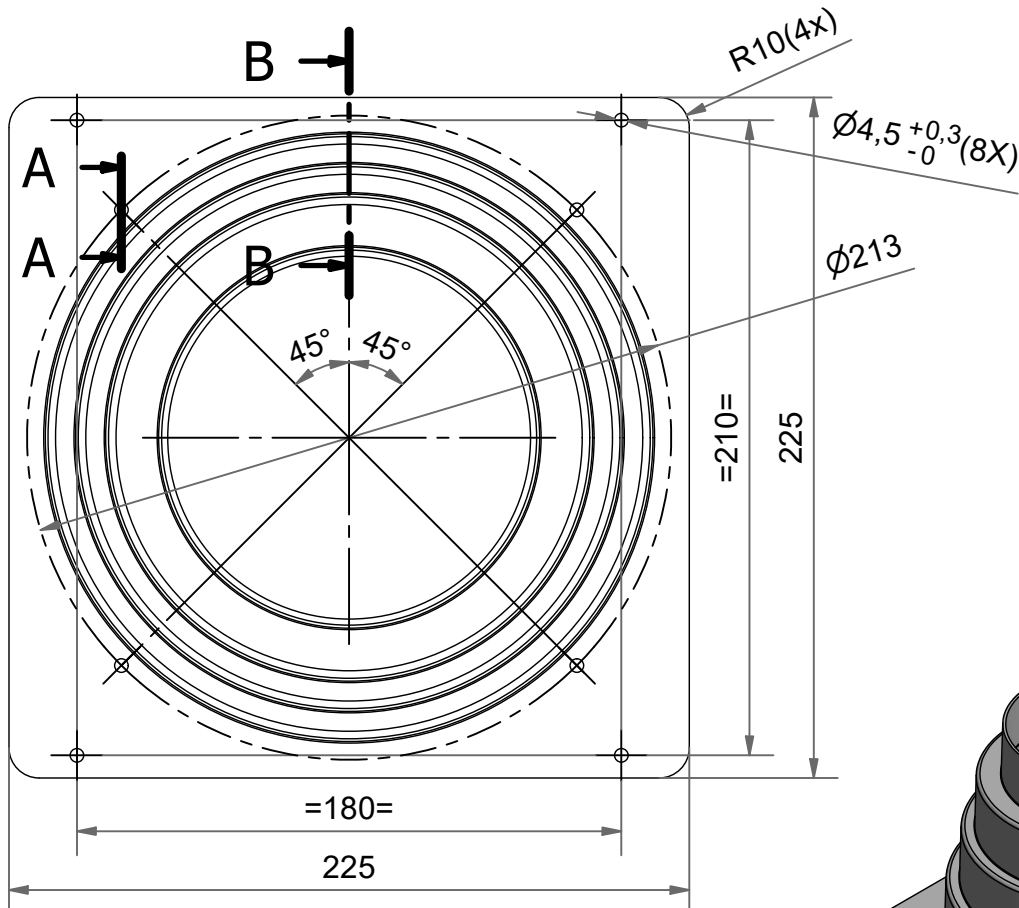
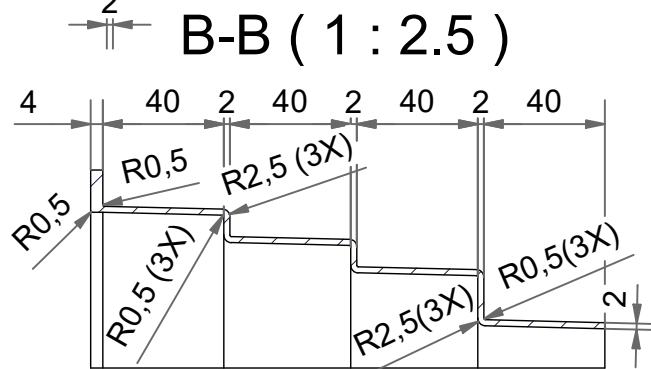
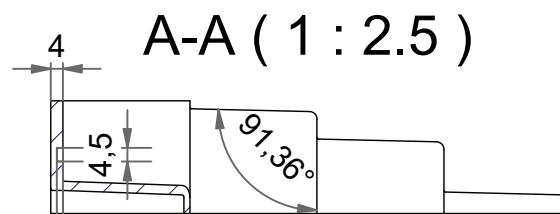
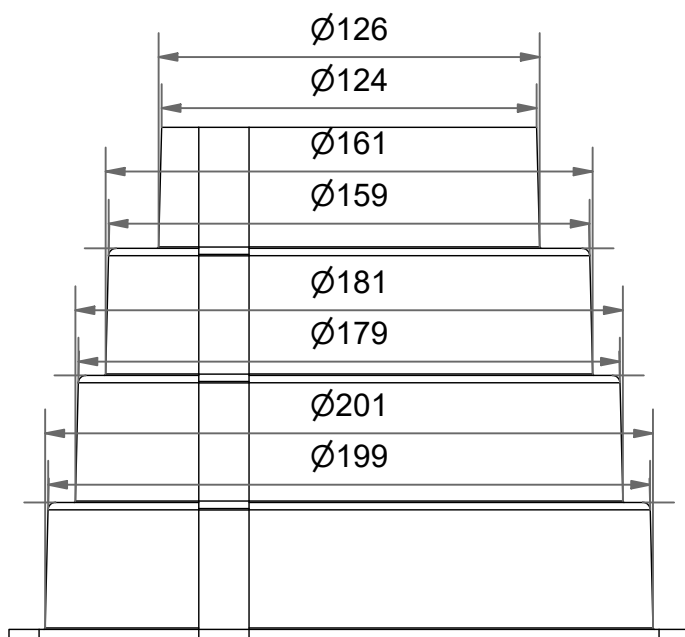
|                                                                                                                                                                                         |                                                                                       |                              |                                                           |                                                                                          |               |            |   |
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 4                                                                | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                  |                                                                                          | DEPARTMENT    |            |   |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLT 12                                          |                                                                                          |               |            |   |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULTED AIR DIST.PLENUM WITH 32 ROUND CON |                                                                                          |               |            |   |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                              |  N° | REVISION<br>2 | SHEET<br>2 | 2 |



|                                                                                                                                                                                         |                                                                                       |                              |                                                            |                                                                                          |               |                |  |
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 2.5                                                              | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                   |                                                                                          | DEPARTMENT    |                |  |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLV 08                                           |                                                                                          |               |                |  |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST.PLENUM WITH 28 ROUND CON |                                                                                          |               |                |  |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                               |  N° | REVISION<br>2 | SHEET<br>1   2 |  |



|                                                                                                                                                                                         |                                                                                       |                              |                                                            |                                                                                          |               |                |
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| DRAWING BY<br>GADM                                                                                                                                                                      | DRAWING SCALE<br>1 : 3                                                                | MATERIAL<br>GALVANIZED STEEL | CUSTOMER                                                   |                                                                                          | DEPARTMENT    |                |
| DATA<br>15/12/2023                                                                                                                                                                      | GENERAL TOLERANCE<br>± 1 mm                                                           | EXTERNAL FINISH<br>-         | ITEM<br>HBPLV 08                                           |                                                                                          |               |                |
|                                                                                                    |  | WEIGHT<br>N/A                | DESCRIPTION<br>INSULATED AIR DIST.PLENUM WITH 28 ROUND CON |                                                                                          |               |                |
|                                                                                                                                                                                         |                                                                                       | PIECES                       | FORMAT<br>A3                                               |  N° | REVISION<br>2 | SHEET<br>2   2 |



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|                    |                             |                      |                 |                                            |
|--------------------|-----------------------------|----------------------|-----------------|--------------------------------------------|
| DRAWING BY<br>GADM | DRAWING SCALE<br>1 : 2.5    | MATERIAL<br>GREY PP  | CUSTOMER        | DEPARTMENT                                 |
| DATA<br>15/01/2024 | GENERAL TOLERANCE<br>± 1 mm | EXTERNAL FINISH<br>- | ITEM<br>HBFL 01 | DESCRIPTION<br>UNIVERSAL FLANGED CONNECTOR |
|                    |                             | WEIGHT<br>N/A        | FORMAT<br>A4    | REVISION<br>4                              |
|                    |                             | PIECES               | CR N°           | SHEET<br>1                                 |