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# Lindab **Zinc-Magnesium Duct System**

Technical information

Lindab®

## Content

# Duct system of Zinc-Magnesium ZM 310

## A corrosion-resistant duct system for high environmental requirements

### Products

The purpose of this brochure is to present which of Lindab's duct system products that is available in the Zink -Magnesium coated steel sheet material. More detailed technical information about the system and the products can be found in our brochure "General Information and Theory" or the product's website. Zinc-Magnesium products are usually handmade instead of pressed and can therefore differ from the standard galvanized assortment in size and weight.

### The circular duct system

The circular system is part of the Lindab Safe range and is manufactured as standard with a double lipped gasket made of EPDM rubber. The standard dimensions are adapted to EN 1506, which is made with over bent edge, which provides excellent structural stability and increased durability against damage caused by handling. For chemical environments other than EPDM gasket can withstand, see also how our silicone gasket is performing in the brochure "General Information and Theory". The products can also be obtained without gasket if none of our gasket options meet the requirements.

### Material description

Zinc-Magnesium is a zinc-Magnesium coated steel sheet that can be used unpainted up to corrosive class C5.

See table on next page for information about corrosive classes.

The alloy of the metal coat has a weight percentage of 3% Magnesium, 3,5%aluminum and 93,5% zinc with a coat weight of 310 g/m² per double side.

### Appearance

The surface is initially glossy metal with a rose pattern but after some time it turns greyish, and eventually it becomes matt grey.

### Sheet steel properties

| | |
|---|---|
| Zink -Magnesium coated steel sheet ZM310 | According to SS-EN 10346:2015 |
| Fire Resistance Classification | A1 (EN 13501-1) |

### Lifetime

The layer of Zinc-Magnesium has a thickness of approx. 24 µm (0.024mm) per side and can in some cases be an alternative to stainless steel.

Due to corrosive and appearancerelated reasons, the following combinations should be avoided to prevent them from affecting the aesthetic and technical lifetime:

- Zinc-Magnesium in combination with copper, brass or lead can cause galvanic corrosion. Avoid drainage from constructions and roofs that contain these metals. In particularly aggressive environments.
- Zinc-Magnesium in contact with highgrade woods, damp wood or wood with waterproofing containing copper can cause black rust or corrosion.
- Zinc-Magnesium in combination with bitumen products without a UV stabiliser.
- Zinc-Magnesium in combination with wet concrete, cement and plastering that are very alkaline can cause discolouration or black rust.

### Trimming edges

Corrosion on the edges can occur in environments that are exposed to corrosion and in which the edges of the sheet are exposed. Normally, the trimmed edges do not need to be painted with a protective paint. Protective paint can be applied in environments in which the trimmed edges are aesthetically prominent.

## Corrosion

Zinc-Magnesium has an ability to repair itself which makes the material resistant to corrosion caused by scratches.

The long lifetime is due to the fact that the zinc-Magnesium coating provides the steel sheet with a double protection against corrosion. The first protection factor is the coating on the steel sheet that forms a passivating barrier against general corrosion. The other protection factor involves the formation of a galvanic element when the sheet is exposed to moisture (electrolyte), resulting in zinc ions flowing over and protecting the exposed steel against corrosion in scratches or trimmed edges.

## Corrosive Class

Zinc-Magnesium can be used up to corrosive class C5 in accordance with EN ISO 12944-2.

## Environment

The long lifetime of Zinc-Magnesium, in comparison with for instance hot dip galvanised sheets, entails major environmental benefits. There is a worldwide infrastructure for recycling steel that works well. Once steel is produced, it is part of a constant cycle as steel always contains recycled materials. Steel is always 100% recyclable, the metal layer does not pose any problems for remelting.

## Eurovent certification

Lindab's circular duct system with rubber gasket con-nec¬tions Lindab Safe and Lindab Safe Click is certified to strength and leakage in tightness class D according to the Eurovent Certified Performance program for circular metallic ducts systems (DUCT-MC). Check ongoing validity of certif¬icate:

www.eurovent-certification.com


The purpose of Eurovent third party Certification is to create a common set of criteria to all relevant features for the rating of products in this system and ensure the con-stancy of per¬formance over time.

Through specification of products in Lindab's certified sys-¬tem, Lindab Safe and Lindab Safe Click, the engineer's tasks become easier, since there is no need to carry out detailed comparison and performance qualification testing. Consultants, specifiers and users can select products with the assurance that the catalogue data are accurate to a cer¬tain level.

Lindab products that are Eurovent certified have the Eurovent logotype in the footer of the technical documen-ta¬tion.

Note: Most Lindab Safe and Lindab Safe Click and the most commonly used product in a ventilation system are essen¬tially better than class D, however some products are according to EN 15727 not class D as a single product. These products are stated in the documentation as Class C and can be used in D class systems to a limited exten-sion.

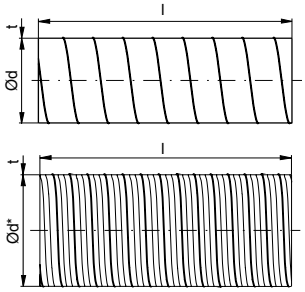
## Corrosivity classes according to ISO 12944-2 with environmental examples

| Corrosivity category | Corrosivity | Examples of typical environments (informative only) | |
|---|---|---|---|
| | | Exterior | Interior |
| C1 | Very low | - | Heated buildings with clean atmosphere, e.g. offices, shops, schools, hotels. |
| C2 | Low | Atmospheres with low level of pollution: mostly rural areas. | Unheated buildings where condensation can occur, e.g. depots, sports halls. |
| C3 | Medium | Urban and industrial atmospheres, mode-rate sulfur dioxide pollution; coastal areas with low salinity. | Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries, dairies. |
| C4 | High | Industrial areas and coastal areas with moderate salinity. | Chemical plants, swimming pools, coas-tal ship and boatyards. |
| C5 | Very high | Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity. | Buildings or areas with almost permanent condensation and with high pollution. |
| CX | Extreme | Offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropi-cal and tropical atmospheres. | Industrial areas with extreme humidity and aggressive atmosphere. |

# Product Overview Ducts

# Circular duct system

## SR, circular duct

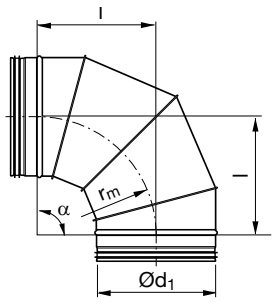



| Ød nom | t mm | m kg/m | Comment |
|---|---|---|---|
| 80 | 0,6 | 1,21 | For more detailed information about technical data and measures see datasheet for SR |
| 100 | 0,6 | 1,52 | |
| 112 | 0,6 | 1,71 | |
| 125 | 0,6 | 1,88 | |
| 140 | 0,6 | 2,11 | |
| 150 | 0,6 | 2,27 | |
| 160 | 0,6 | 2,42 | |
| 180 | 0,6 | 2,71 | |
| 200 | 0,6 | 3,07 | |
| 224 | 0,6 | 3,44 | |
| 250 | 0,6 | 3,82 | |
| 280 | 0,6 | 4,28 | |
| 300 | 0,6 | 4,58 | |
| 315 | 0,6 | 4,81 | |
| 355 | 0,6 | 5,41 | |
| 400 | 0,6 | 6,56 | |
| 450 | 0,6 | 7,37 | |
| 500 | 0,7 | 9,54 | |
| 560 | 0,7 | 10,7 | |
| 600 | 0,7 | 11,5 | |
| 630 | 0,7 | 12,0 | |
| 710 | 1,0 | 19,4 | |
| 800 | 1,0 | 21,8 | |
| 900 | 1,0 | 24,1 | |
| 1000 | 1,0 | 26,8 | |
| 1120 | 1,0 | 30,0 | |
| 1250 | 1,0 | 33,6 | |

# Circular duct system

# Bends

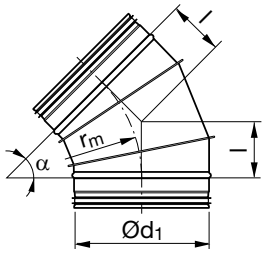
## BFU 90°, lockseamed bend




| Ød1 nom | l mm | m kg |
|---|---|---|
| 80 | 80 | 0,65 |
| 140 | 140 | 1,12 |
| 150 | 150 | 1,21 |
| 180 | 180 | 1,48 |
| 200 | 200 | 1,67 |
| 224 | 224 | 1,95 |
| 250 | • | • |
| 280 | • | • |
| 300 | • | • |
| 315 | • | • |
| 355 | • | • |
| 400 | • | • |
| 450 | • | • |
| 500 | • | • |
| 560 | • | • |
| 600 | • | • |
| 630 | • | • |
| 710 | • | • |
| 800 | • | • |
| 900 | • | • |
| 1000 | • | • |
| 1120 | • | • |
| 1250 | • | • |

- For more detailed information about technical data and measures see datasheet for BFU 90°

## BFU 45°, lockseamed bend



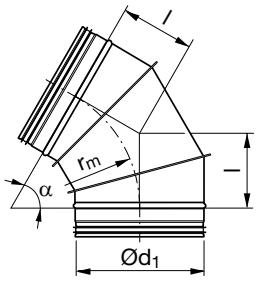

| Ød1 nom | l mm | m kg |
|---|---|---|
| 80 | 33 | 0,53 |
| 140 | 58 | 0,61 |
| 150 | 62 | 0,67 |
| 180 | 75 | 0,84 |
| 200 | 83 | 0,95 |
| 224 | 93 | 1,12 |
| 250 | • | • |
| 280 | • | • |
| 300 | • | • |
| 315 | • | • |
| 355 | • | • |
| 400 | • | • |
| 450 | • | • |
| 500 | • | • |
| 560 | • | • |
| 600 | • | • |
| 630 | • | • |
| 710 | • | • |
| 800 | • | • |
| 900 | • | • |
| 1000 | • | • |
| 1120 | • | • |
| 1250 | • | • |

- For more detailed information about technical data and measures see datasheet for BFU 45°

# Circular duct system

# Bends

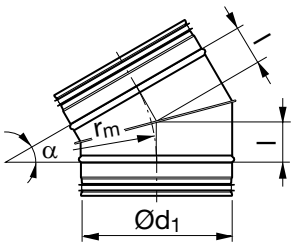
## BFU 60°, lockseamed bend




| Ød1 nom | l mm | m kg |
|---|---|---|
| 80 | 46 | 0,59 |
| 100 | 58 | 0,68 |
| 125 | 72 | 0,77 |
| 140 | 81 | 0,86 |
| 150 | 87 | 0,94 |
| 180 | 92 | 1,05 |
| 160 | 104 | 1,16 |
| 200 | 115 | 1,31 |
| 224 | 129 | 1,40 |
| 250 | • | • |
| 280 | • | • |
| 300 | • | • |
| 315 | • | • |
| 355 | • | • |
| 400 | • | • |
| 450 | • | • |
| 500 | • | • |
| 560 | • | • |
| 600 | • | • |
| 630 | • | • |
| 710 | • | • |
| 800 | • | • |
| 900 | • | • |
| 1000 | • | • |
| 1120 | • | • |
| 1250 | • | • |

- For more detailed information about technical data and measures see datasheet for BFU 60°

## BFU 30°, lockseamed bend



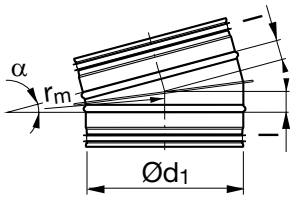

| Ød1 nom | l mm | m kg |
|---|---|---|
| 80 | 21 | 0,49 |
| 100 | 27 | 0,53 |
| 125 | 34 | 0,59 |
| 140 | 38 | 0,67 |
| 150 | 40 | 0,75 |
| 180 | 43 | 0,80 |
| 160 | 48 | 0,85 |
| 200 | 54 | 0,91 |
| 224 | 60 | 0,95 |
| 250 | • | • |
| 280 | • | • |
| 300 | • | • |
| 315 | • | • |
| 355 | • | • |
| 400 | • | • |
| 450 | • | • |
| 500 | • | • |
| 560 | • | • |
| 600 | • | • |
| 630 | • | • |
| 710 | • | • |
| 800 | • | • |
| 900 | • | • |
| 1000 | • | • |
| 1120 | • | • |
| 1250 | • | • |

- For more detailed information about technical data and measures see datasheet for BFU 30°

# Circular duct system

# Bends

## BFU 15°, lockseamed bend



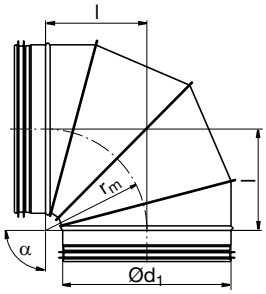

| Ød1 nom | l mm | m kg |
|---|---|---|
| 80 | 11 | 0,43 |
| 100 | 13 | 0,46 |
| 125 | 17 | 0,49 |
| 140 | 18 | 0,51 |
| 150 | 20 | 0,53 |
| 180 | 21 | 0,56 |
| 160 | 24 | 0,58 |
| 200 | 26 | 0,60 |
| 224 | 30 | 0,63 |
| 250 | • | • |
| 280 | • | • |
| 300 | • | • |
| 315 | • | • |
| 355 | • | • |
| 400 | • | • |
| 450 | • | • |
| 500 | • | • |
| 560 | • | • |
| 600 | • | • |
| 630 | • | • |
| 710 | • | • |
| 800 | • | • |
| 900 | • | • |
| 1000 | • | • |
| 1120 | • | • |
| 1250 | • | • |

- For more detailed information about technical data and measures see datasheet for BFU 15°

# Circular duct system

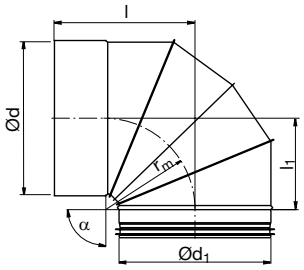
# Bends

## BKFU 90°, short, lockseamed bend




| Ød$_1$ nom | Comment |
|---|---|
| 100 | For more detailed information about technical data and measures see datasheet for BKFU 90° |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 355 | |
| 400 | |
| 500 | |
| 630 | |
| 710 | |
| 800 | |
| 1000 | |
| 1120 | |
| 1250 | |

## BKFMU 90°, short, segmented bend with female end

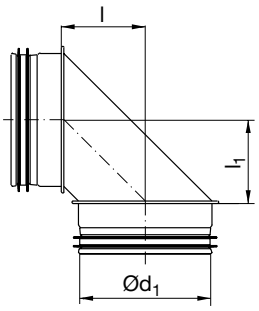



| Ød$_1$ nom | Comment |
|---|---|
| 100 | For more detailed information about technical data and measures see datasheet for BKFMU 90° |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 710 | |
| 800 | |
| 1000 | |
| 1120 | |
| 1250 | |

# Circular duct system

# Bends

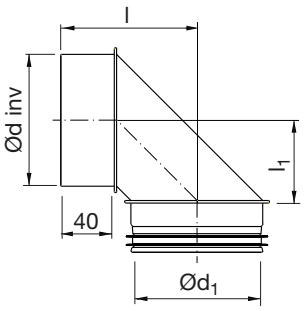
## BKU 90°, short




| Ød1 [nom] | l* [mm] | l1* [mm] | m [kg] |
|---|---|---|---|
| 80 | 55 | 55 | 0,14 |
| 100 | 62 | 62 | 0,24 |
| 125 | 77 | 77 | 0,37 |
| 160 | 94 | 94 | 0,54 |

* Tolerance ±5 mm

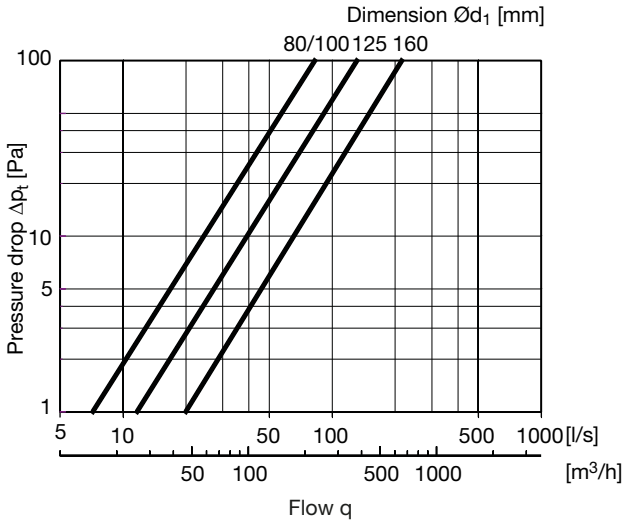
## BKMU 90°, short with female end



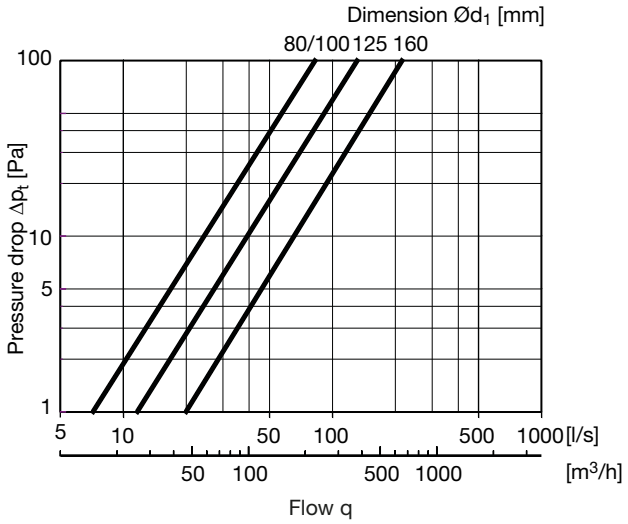

| Ød1 [nom] | Ød [mm] | l* [mm] | l1* [mm] | m [kg] |
|---|---|---|---|---|
| 80 | 80 | 97 | 55 | 0,13 |
| 100 | 100 | 104 | 62 | 0,24 |
| 125 | 125 | 118 | 77 | 0,37 |
| 160 | 160 | 136 | 94 | 0,54 |

* Tolerance ±5 mm

## Technical data



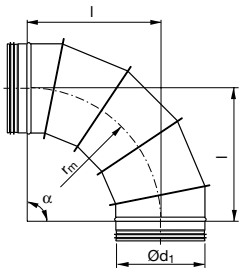

## Technical data



# Circular duct system

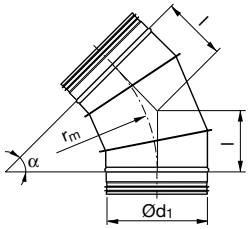
# Bends

## BSFU 90°, long, lockseamed bend




| Ød$_1$ nom | Comment |
|---|---|
| 250 | For more detailed information about technical data and measures see datasheet for BSFU 90° |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

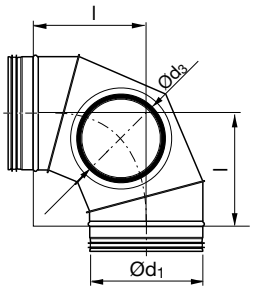
## BSFU 45°, long, lockseamed bend




| Ød$_1$ nom | Comment |
|---|---|
| 250 | For more detailed information about technical data and measures see datasheet for BSFU 45° |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

# Circular duct system Cleaning bends

## BFKCU 90°, cleaning bend

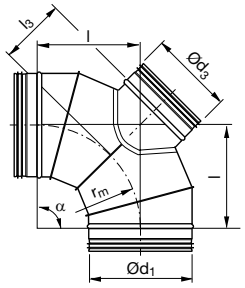



| Ød1 nom | Ød3 | | | | | | |
|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | 400 |
| 100 | • | | | | | | |
| 112 | • | | | | | | |
| 125 | • | • | | | | | |
| 140 | | • | | | | | |
| 150 | | • | | | | | |
| 160 | | • | • | | | | |
| 180 | | | • | | | | |
| 200 | | | • | | | | |
| 224 | | | | • | | | |
| 250 | | | | • | • | | |
| 300 | | | | | • | | |
| 315 | | | | | • | • | |
| 400 | | | | | | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for BFKCU 90°

- Available dimensions

## BFBKCU 90°, cleaning bend




| Ød1 nom | Ød3 | | | | | | |
|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | 400 |
| 100 | • | | | | | | |
| 112 | • | | | | | | |
| 125 | • | • | | | | | |
| 140 | | • | | | | | |
| 160 | | • | • | | | | |
| 150 | | • | | | | | |
| 180 | | | • | | | | |
| 200 | | | • | | | | |
| 224 | | | | • | | | |
| 250 | | | | • | • | | |
| 300 | | | | | • | | |
| 315 | | | | | • | • | |
| 400 | | | | | | • | • |

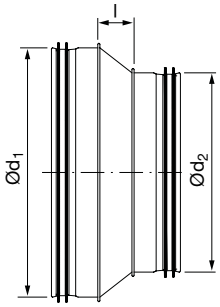
**Comment:** For more detailed information about technical data and measures see datasheet for BFBKCU 90°

- Available dimensions

# Circular duct system

# Reducers

## RCU, reducer



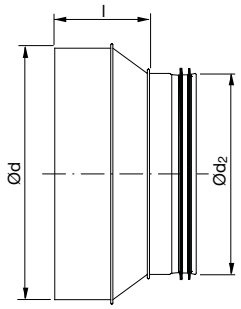

| Ød1 nom | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 315 | 400 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | • | | | | | | | | | | | |
| 125 | • | • | | | | | | | | | | |
| 150 | | • | • | | | | | | | | | |
| 160 | • | • | • | • | | | | | | | | |
| 180 | | • | • | • | • | | | | | | | |
| 200 | | • | • | • | • | • | | | | | | |
| 224 | | | | • | • | • | • | | | | | |
| 250 | | | • | • | • | • | • | • | | | | |
| 300 | | | | | | | • | | • | | | |
| 315 | | | | | • | | • | | • | | | |
| 355 | | | | | | | | | • | • | | |
| 400 | | | | | | | • | | • | • | | |
| 500 | | | | | | | | | • | • | • | |
| 630 | | | | | | | | | | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RCU

- Available dimensions

# Circular duct system Reducers

## RCFU, reducer with female end



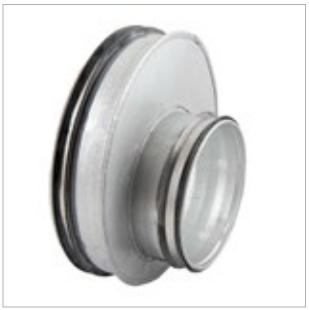

| Ød nom | 80 | 100 | 125 | 150 | 160 | 180 | 200 | 224 | 250 | 315 | 400 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | • | | | | | | | | | | | |
| 125 | • | • | | | | | | | | | | |
| 150 | | • | • | | | | | | | | | |
| 160 | | • | • | • | | | | | | | | |
| 180 | | • | • | • | • | | | | | | | |
| 200 | | • | • | • | • | • | | | | | | |
| 224 | | | | • | • | • | • | | | | | |
| 250 | | | • | • | • | • | • | • | | | | |
| 300 | | | | | | | • | | • | | | |
| 315 | | | | | • | | • | | • | | | |
| 355 | | | | | | | | | • | • | | |
| 400 | | | | | | | • | | • | • | | |
| 500 | | | | | | | | | • | • | • | |
| 630 | | | | | | | | | | • | • | • |

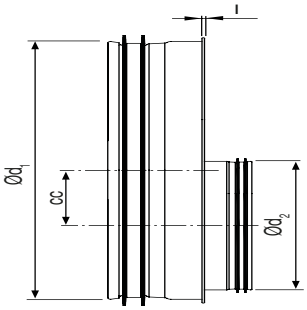
**Comment:** For more detailed information about technical data and measures see datasheet for RCFU

- Available dimensions

# Circular duct system Reducers

## RU, eccentric reducer





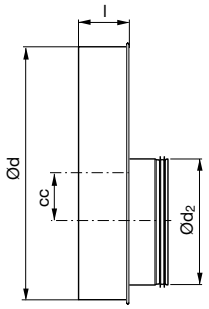

| Ød1 nom | Ød2 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
| 400 | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RU

- Available dimensions

# Circular duct system Reducers

## RFU, eccentric reducer with female end



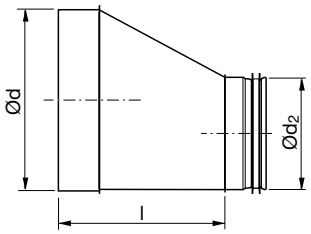

| Ød nom | Ød2 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
| 400 | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RFU

- Available dimensions

# Circular duct system Reducers

## RFLU, long, tangential reducer with female end




| Ød nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | • | | • | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | • | | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 224 | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 250 | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 280 | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 300 | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | |
| 315 | | | | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 355 | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| 400 | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RFLU

- Available dimensions

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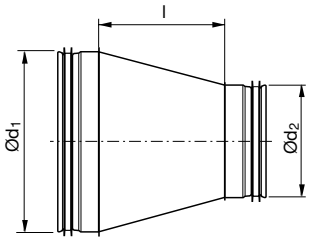
# Circular duct system Reducers

## RCLU, long, concentric reducer



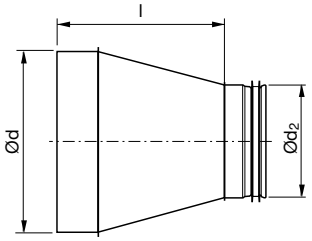

| Ød$_1$ nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | | | • | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 150 | • | | • | | • | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | • | | • | | | | | | | | | | | | | | | | | | | | | |
| 180 | • | | • | | • | | | | | | | | | | | | | | | | | | | | | |
| 200 | • | | • | | • | | | | | | | | | | | | | | | | | | | | | |
| 224 | | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| 250 | | • | • | | • | | | | | | | | | | | | | | | | | | | | | |
| 280 | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 300 | | | | • | • | • | • | • | | • | | • | | | | | | | | | | | | | | |
| 315 | | | | • | • | • | | • | | • | | • | • | | | | | | | | | | | | | |
| 355 | | | | | | | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 400 | | | | | | | • | • | | • | | • | • | | • | | | | | | | | | | | |
| 450 | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | | | | | | | • | • | • | • | • | | • | • | • | | | | | | | | | |
| 560 | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | | | | | | • | • | • | | • | • | • | | • | • | | | | | | |
| 710 | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RCLU

- Available dimensions

# Circular duct system Reducers

## RCFLU, long, concentric reducer with female end




| Ød nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 224 | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 250 | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 280 | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 300 | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | |
| 315 | | | | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 355 | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| 400 | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RCFLU

- Available dimensions

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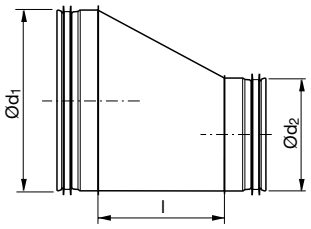
# Circular duct system Reducers

## RLU, long tangential reducer




| Ød$_1$ nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 224 | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 250 | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 280 | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 300 | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | |
| 315 | | | | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 355 | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| 400 | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for RLU

- Available dimensions

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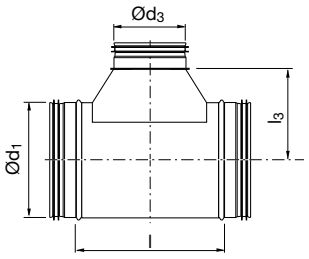
# Circular duct system T-pieces

## TCU, centric T-piece




| Ød1 nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 | 1250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | •* | | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | •* | •* | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 112 | •* | •* | • | | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 125 | •* | •* | •* | •* | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 140 | •* | •* | •* | • | •* | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 150 | •* | •* | • | •* | •* | •* | | • | • | • | • | | | | | | | | | | | | | | | | |
| 160 | •* | •* | | •* | •* | •* | •* | | • | • | • | | | | | | | | | | | | | | | | |
| 180 | •* | •* | • | •* | •* | •* | •* | •* | • | • | • | • | | | | | | | | | | | | | | | |
| 200 | •* | •* | • | •* | •* | •* | •* | •* | •* | • | • | • | • | • | | | | | | | | | | | | | |
| 224 | •* | •* | • | •* | •* | •* | •* | •* | •* | •* | • | • | • | • | • | | | | | | | | | | | | |
| 250 | •* | •* | • | •* | •* | •* | •* | •* | •* | •* | •* | • | • | • | • | • | | | | | | | | | | | |
| 280 | •* | •* | • | •* | •* | •* | •* | •* | •* | •* | • | • | • | • | • | • | • | | | | | | | | | | |
| 300 | | | • | | | | | | | | | • | | • | • | • | • | | | | | | | | | | |
| 315 | •* | •* | • | •* | | | •* | | •* | | •* | | | •* | • | • | • | • | | | | | | | | | |
| 355 | | | • | | | | | | | | | • | | | • | • | • | • | • | | | | | | | | |
| 400 | | •* | • | •* | • | • | •* | • | •* | | •* | • | | •* | • | •* | • | • | • | • | • | | | | | | |
| 450 | | •* | | •* | • | • | •* | • | •* | •* | •* | • | •* | •* | •* | •* | • | • | • | • | • | • | | | | | |
| 500 | | •* | | •* | • | • | •* | • | •* | • | •* | • | •* | •* | •* | •* | • | • | • | • | • | • | • | | | | |
| 560 | | •* | | •* | | | •* | | •* | • | •* | • | •* | •* | •* | •* | • | • | • | • | • | • | • | • | | | |
| 600 | | •* | | •* | | | •* | | •* | • | •* | • | • | •* | • | •* | • | • | • | • | • | • | • | • | | | |
| 630 | | •* | | •* | | | •* | | •* | • | •* | • | • | •* | • | •* | • | • | • | • | • | • | • | • | • | | |
| 710 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| 800 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 900 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1000 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1120 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |
| 1250 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for TCU

- Available dimensions
- * Only available in aluminum-zinc. When made in galvanized this dimension is pressed, see TCPU

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Identification number 17.11.002
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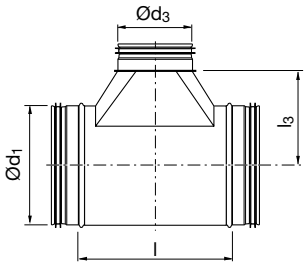
# Circular duct system T-pieces

## TU, tangential T-piece




| Ød1 nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 | 1250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 125 | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 224 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| 250 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| 280 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 300 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 315 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | |
| 355 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | |
| 400 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 450 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | |
| 500 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | |
| 560 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | |
| 600 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | |
| 630 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| 710 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| 800 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 900 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1000 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1120 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |
| 1250 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for TU

- Available dimensions

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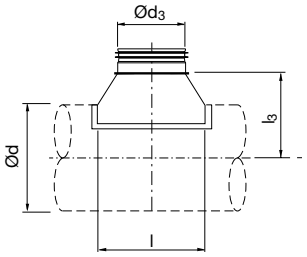
# Circular duct system T-pieces

## TSTCU, centric T-piece




| Ød nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 | 1250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | •* | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | •* | •* | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 112 | | | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 125 | •* | •* | • | •* | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 140 | • | | • | | | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 150 | • | | • | | | | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 160 | •* | •* | • | •* | | | •* | • | • | • | • | | | | | | | | | | | | | | | | |
| 180 | • | | • | • | • | • | • | | • | • | • | • | | | | | | | | | | | | | | | |
| 200 | •* | •* | • | •* | | | •* | | •* | • | • | • | • | • | | | | | | | | | | | | | |
| 224 | | | • | | | | | | | | • | • | • | • | • | | | | | | | | | | | | |
| 250 | | •* | • | •* | | | •* | | •* | | •* | • | • | • | • | • | | | | | | | | | | | |
| 280 | | | • | | | | | | | | • | • | • | • | • | • | • | | | | | | | | | | |
| 300 | | | • | | | | | | | | | • | | • | • | • | • | | | | | | | | | | |
| 315 | •* | •* | • | •* | | | •* | | •* | | •* | • | | •* | • | • | • | • | | | | | | | | | |
| 355 | | | • | | | | | | | | | • | | • | • | • | • | • | • | | | | | | | | |
| 400 | | •* | • | •* | • | | •* | • | •* | | •* | • | | •* | • | •* | • | • | • | • | • | | | | | | |
| 450 | | | | | • | | | • | | | | • | | | • | | • | • | • | • | • | • | | | | | |
| 500 | | | | | • | | | • | | | | • | | | • | | • | • | • | • | • | • | • | | | | |
| 560 | | | | | | | | | | | | • | | | • | | • | • | • | • | • | • | • | • | | | |
| 600 | | | | | | | | | | | | • | | | • | | • | • | • | • | • | • | • | • | | | |
| 630 | | | | | | | | | | | | • | | | • | | • | • | • | • | • | • | • | • | • | | |
| 710 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| 800 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 900 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1000 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1120 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |
| 1250 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for TSTCU

- Available dimensions
- * Only available in . When made in galvanized this dimension is pressed, see TCPU

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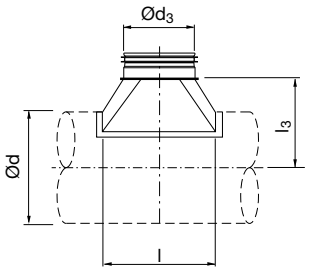
# Circular duct system T-pieces

## TSTU, tangential T-piece




| Ød nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 | 1250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | • | | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 125 | • | • | • | | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | | • | • | • | • | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | | • | • | • | • | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | | | | | | | | | | |
| 224 | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | | | | | | | | | |
| 250 | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | | | | | | | | |
| 280 | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | | | | | | | |
| 300 | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | | | | | | | | | | |
| 315 | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | | | | | | | | | |
| 355 | | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | | | | | | | | |
| 400 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | | | |
| 450 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | | |
| 500 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | | |
| 560 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | | | |
| 600 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | | | |
| 630 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | | |
| 710 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | |
| 800 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | • | • | • | • |
| 900 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | • | • | • |
| 1000 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | • | • |
| 1120 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | | • |
| 1250 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |

**Comment:** For more detailed information about technical data and measures see datasheet for TSTU.

- Available dimensions

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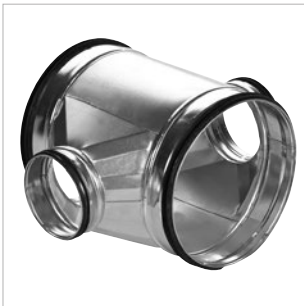
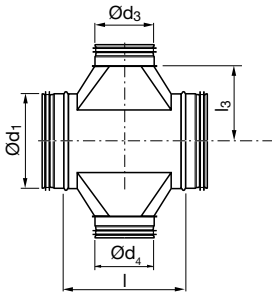
# Circular duct system X-pieces

## XCU, centric X-piece






| Ød1 nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 | 1250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | • | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | • | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 224 | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 250 | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 280 | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 300 | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | |
| 315 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 355 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| 400 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • |

**Comment:** For more detailed information about technical data and measures see datasheet for XCU.

- Available dimensions

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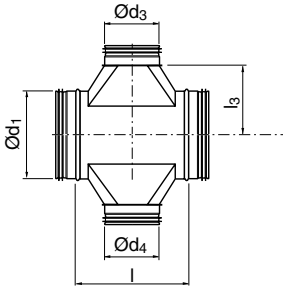
# Circular duct system X-pieces

## XU, tangential X-piece




| Ød1 nom | 80 | 100 | 112 | 125 | 140 | 150 | 160 | 180 | 200 | 224 | 250 | 280 | 300 | 315 | 355 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | • | | | | | | | | | | | | | | | | | | | | | | | | | |
| 112 | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 | • | • | • | | | | | | | | | | | | | | | | | | | | | | | |
| 140 | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 150 | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| 160 | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| 180 | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| 200 | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| 224 | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| 250 | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | |
| 280 | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| 300 | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | |
| 315 | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| 355 | | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| 400 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| 450 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | |
| 500 | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | |
| 560 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | | | | | | | |
| 600 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | | | | | | |
| 630 | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 710 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | | | | |
| 800 | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | | | | |
| 900 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | | |
| 1000 | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | • | | |
| 1120 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | |
| 1250 | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • |

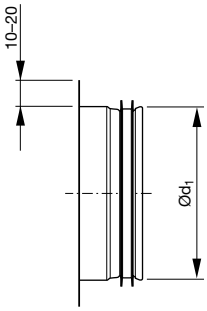
**Comment:** For more detailed information about technical data and measures see datasheet for XU.

- Available dimensions

# Circular duct system

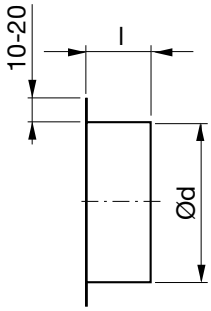
# Take-offs

## ILU, take-off without radius




| Ød1 nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ILU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

## ILF, take-off without radius with female end

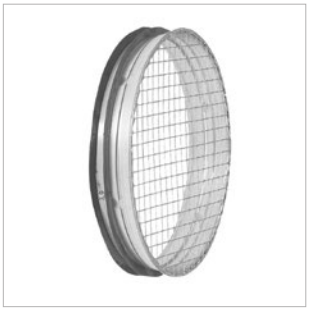


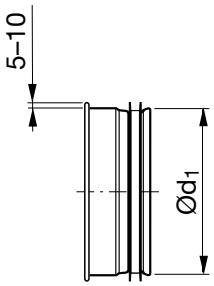

| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ILF. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

# Circular duct system

# Take-offs

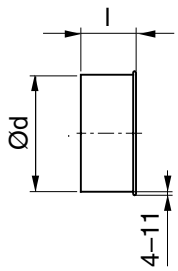
## ESNU, take-off with mesh






| Ød, nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ESNU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

## EPNF, take-off with mesh and female end

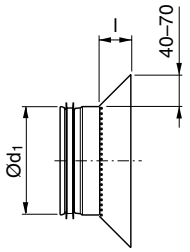



| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for EPNF. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

# Circular duct system

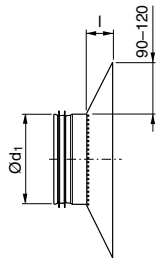
# Take-offs

## ILKNU 50, take-off with mesh and cone



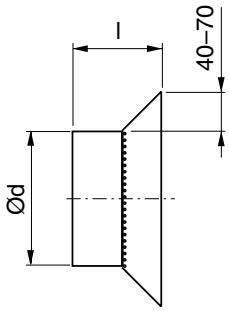

| Ød1 nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ILKNU 50. |
| 100 | |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 800 | |

## ILKNU 100, take-off with mesh and cone



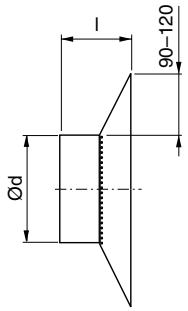

| Ød1 nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ILKNU 100. |
| 100 | |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 800 | |

## ILKNF 50, take-off with mesh, cone and female end




| Ød1 nom | Comment |
|---|---|
| 100 | For more detailed information about technical data and measures see datasheet for ILKNF 50. |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 800 | |

## ILKNF 100, take-off with mesh, cone and female end

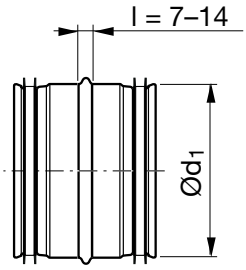



| Ød1 nom | Comment |
|---|---|
| 100 | For more detailed information about technical data and measures see datasheet for ILKNF 100. |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 800 | |

# Circular duct system

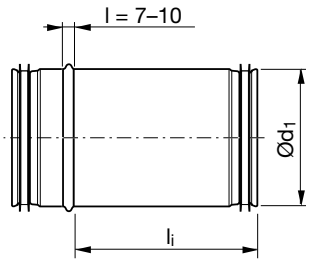
# Couplings

## NPU, coupling




| Ød, nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for NPU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

## SNPU, slide-in coupling

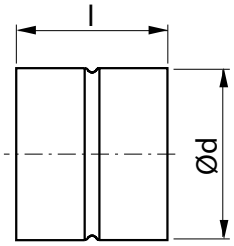



| Ød, nom | Comment |
|---|---|
| 80 | All dimensions available in nominal lengths 150 mm, 300 mm and 500 mm.<br><br>For more detailed information about technical data and measures see datasheet for SNPU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 630 | |
| 800 | |
| 1000 | |
| 1250 | |

# Circular duct system

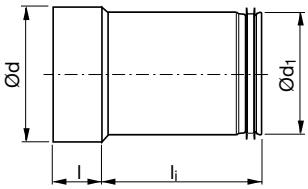
# Couplings

## MF, female coupling




| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for MF. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

## SMFU, slide-in female coupling

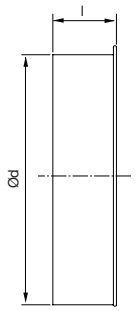



| $Ød_1$ nom | l mm | Comment |
|---|---|---|
| 80 | 150, 300 or 500 | For more detailed information about technical data and measures see datasheet for SMFU. |
| 100 | | |
| 112 | | |
| 125 | | |
| 140 | | |
| 150 | | |
| 160 | | |
| 180 | | |
| 200 | | |
| 224 | | |
| 250 | | |
| 280 | | |
| 300 | | |
| 315 | | |
| 355 | | |
| 400 | 300 or 500 | |
| 450 | | |
| 500 | | |
| 560 | | |
| 630 | | |
| 800 | 500 | |
| 1000 | | |
| 1250 | | |

# Circular duct system

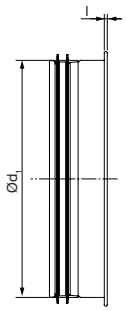
# End caps

## EPF, end cap




| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for EPF. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

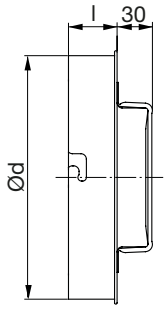
## ESU, end cap




| Ød1 nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ESU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |
| 710 | |
| 800 | |
| 900 | |
| 1000 | |
| 1120 | |
| 1250 | |

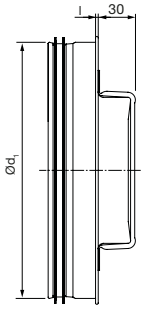
# Circular duct system Access doors

## EPFH, access door




| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for EPFH. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 630 | |

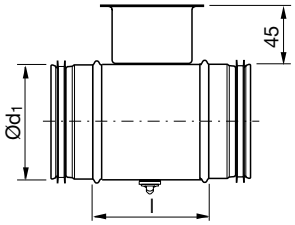
## ESHU, access door




| Ød1 nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for ESHU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 630 | |

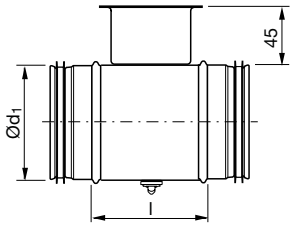
# Circular duct system Dampers

## DRU, regulating damper




| Ød, nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for DRU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |

## DSU, shut-off damper

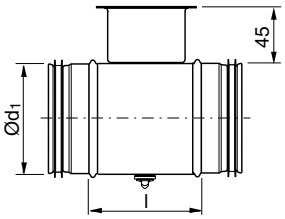



| Ød, nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for DSU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |

# Circular duct system

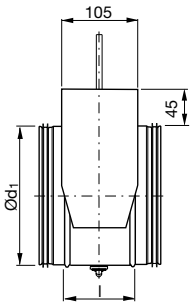
# Dampers

## DTU, shut-off damper




| Ød, nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for DTU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |

## DTHU, shut-off damper with motor shelf

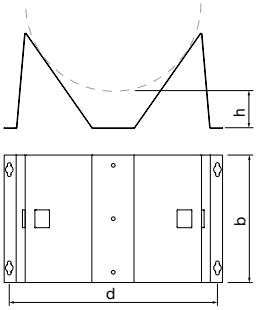



| Ød, nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for DTHU. |
| 100 | |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |

# Circular duct system

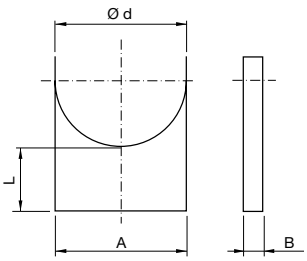
# Duct suspension and support system

## MDH, duct holder




| Ød nom | Comment |
|---|---|
| 100 | For more detailed information about technical data and measures see datasheet for MDH. |
| 112 | |
| 125 | |
| 140 | |
| 150 | |
| 160 | |
| 180 | |
| 200 | |
| 224 | |
| 250 | |
| 280 | |
| 300 | |
| 315 | |
| 355 | |
| 400 | |
| 450 | |
| 500 | |
| 560 | |
| 600 | |
| 630 | |

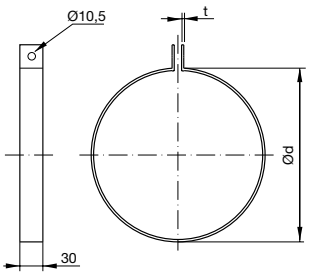
## DH, duct holder




| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for DH. |
| 100 | |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |

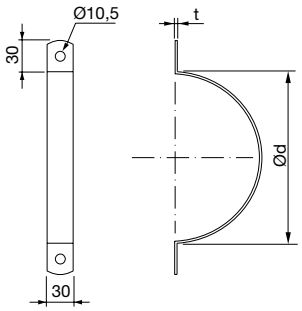
# Duct suspension and support system

## UV30, suspension rings




| Ød nom | Comment |
|---|---|
| 80 | For more detailed information about technical data and measures see datasheet for UV30. |
| 100 | |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 800 | |
| 1000 | |
| 1250 | |

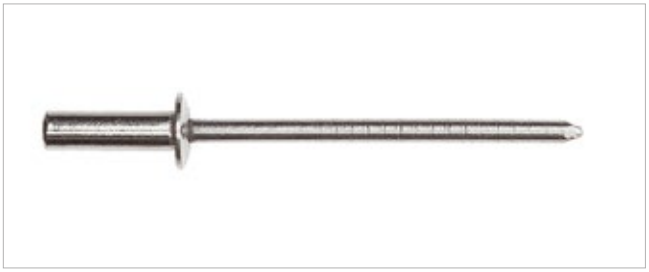
## UVH30, suspension rings




| Ød nom | Comment |
|---|---|
| 100 | For more detailed information about technical data and measures see datasheet for UVH30. |
| 125 | |
| 160 | |
| 200 | |
| 250 | |
| 315 | |
| 400 | |
| 500 | |
| 630 | |
| 800 | |
| 1000 | |
| 1250 | |

# Fasterners

## Blind rivet, pressure-tight



| Type | Comment |
|---|---|
| RH13 | For more detailed information about technical data and measures see technical information for RH |
| RH22 | |
| RH31 | |
| RH33 | |

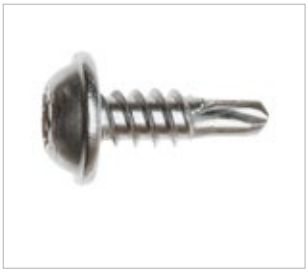
## Blind rivet, open

| Type | Comment |
|---|---|
| RE12 | For more detailed information about technical data and measures see technical information for RE |
| RE13 | |
| RE14 | |
| RE22 | |
| RE24 | |

## Drill screw, hexagon head

| Type | Comment |
|---|---|
| TG10 | For more detailed information about technical data and measures see technical information for TG |
| TG12 | |

## Drill screw, convex head



| Type | Comment |
|---|---|
| SH11 | For more detailed information about technical data and measures see technical information for SH |
| SH12 | |

Most of us spend the majority of our time indoors. Indoor climate is crucial to how we feel, how productive we are and if we stay healthy.

We at Lindab have therefore made it our most important objective to contribute to an indoor climate that improves people's lives. We do this by developing energy-efficient ventilation solutions and durable building products. We also aim to contribute to a better climate for our planet by working in a way that is sustainable for both people and the environment.

Lindab | For a better climate

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For a better climate