



# Lindab **Zinc-Magnesium Duct System**

Technical information

# 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 Zinc-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/m<sup>2</sup> 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

Zinc -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 appearance related 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 connections 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 certificate:

[www.eurovent-certification.com](http://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 constancy of performance over time.

Through specification of products in Lindab's certified system, 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 certain level.

Lindab products that are Eurovent certified have the Eurovent logotype in the footer of the technical documentation.

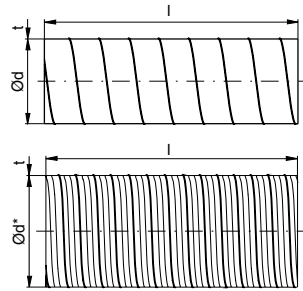
Note: Most Lindab Safe and Lindab Safe Click and the most commonly used product in a ventilation system are essentially better than class D, however some products are according to EN 15727 not class D as a single product. These products are stated in the documentation as Class C and can be used in D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

## Corrosive classes in accordance with EN ISO 12944-2

Corrosive class	Environmental Corrosivity	Examples of typical outdoor environments in the temperate climate zone (informative)
C1	Very low	Interior environments. Heated buildings with clean atmospheres, e.g. offices, shops, schools, hotels.
C2	Low	Atmospheres with low level of pollution. Mostly rural areas.
C3	Measurable	Urban and industrial atmospheres, moderate sulfur dioxide pollution. Coastal areas with low salinity.
C4	High	Industrial and coastal areas with moderate salinity.
C5-I	Very high (Industrial)	Industrial areas with high humidity and aggressive atmosphere.
C5-M	Very high (Marine)	Coastal and offshore areas with high salinity.

# Circular duct system

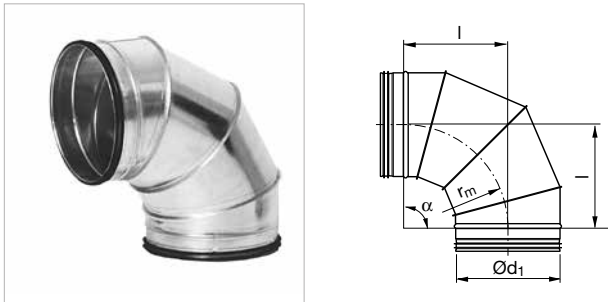
## SR, circular duct



Ød nom	t mm	m kg/m	Comment
80	0,6	1,21	
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	4,10	
250	0,6	3,82	
280	0,6	4,28	For more detailed information about technical data and measures see catalogue page for SR
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	12,2	
600	0,7	13,1	
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

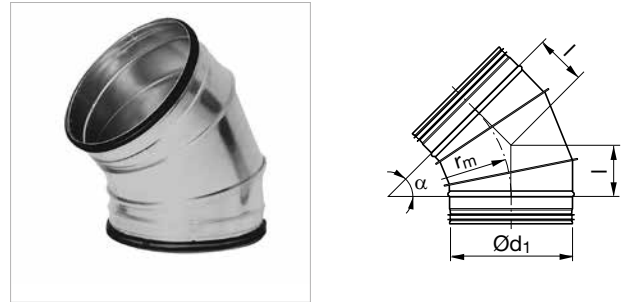
## BFU 90°, lockseamed bend



Ød, 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 catalogue page for BFU 90°

## BFU 45°, lockseamed bend

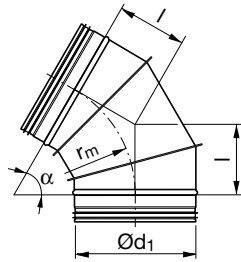


Ød, nom	l mm	m kg
80	33	0,53
140	58	0,61
150	62	0,67
180	75	0,84
200	83	0,95
224	93	1,12
250	•	•
280	•	•
300	•	•
315	•	•
355	•	•
400	•	•
450	•	•
500	•	•
560	•	•
600	•	•
630	•	•
710	•	•
800	•	•
900	•	•
1000	•	•
1120	•	•
1250	•	•

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

# Circular duct system

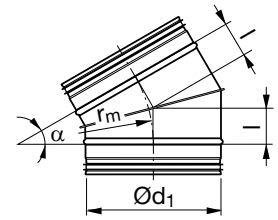
## BFU 60°, lockseamed bend



Ød, 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 catalogue page for BFU 60°

## BFU 30°, lockseamed bend

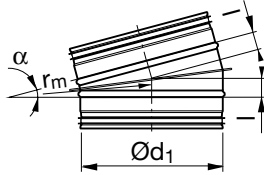


Ød, nom	l mm	m kg
80	21	0,49
100	27	0,53
125	34	0,59
140	38	0,67
150	40	0,75
180	43	0,80
160	48	0,85
200	54	0,91
224	60	0,95
250	•	•
280	•	•
300	•	•
315	•	•
355	•	•
400	•	•
450	•	•
500	•	•
560	•	•
600	•	•
630	•	•
710	•	•
800	•	•
900	•	•
1000	•	•
1120	•	•
1250	•	•

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

# Circular duct system

## BFU 15°, lockseamed bend

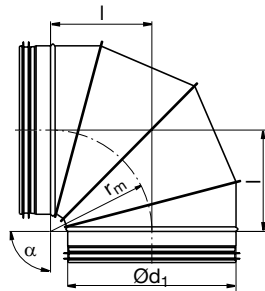


Ød, nom	l mm	m kg
80	11	0,43
100	13	0,46
125	17	0,49
140	18	0,51
150	20	0,53
180	21	0,56
160	24	0,58
200	26	0,60
224	30	0,63
250	•	•
280	•	•
300	•	•
315	•	•
355	•	•
400	•	•
450	•	•
500	•	•
560	•	•
600	•	•
630	•	•
710	•	•
800	•	•
900	•	•
1000	•	•
1120	•	•
1250	•	•

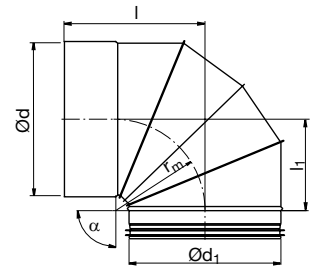
- For more detailed information about technical data and measures see catalogue page for BFU 15°

# Circular duct system

## BKFU 90°, short, lockseamed bend



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



Ød, nom	Comment
100	
125	
160	
200	
250	
315	
355	
400	
500	
630	
710	
800	
1000	
1120	
1250	

For more detailed information about technical data and measures see catalogue page for BKFU 90°

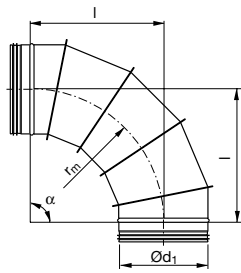
Ød, nom	Comment
100	
125	
160	
200	
250	
315	
400	
500	
630	
710	
800	
1000	
1120	
1250	

For more detailed information about technical data and measures see catalogue page for BKFMU 90°

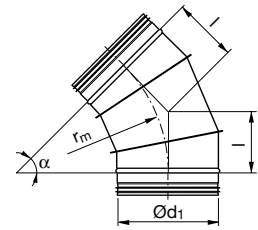


# Circular duct system

## BSFU 90°, long, lockseamed bend



## BSFU 45°, long, lockseamed bend

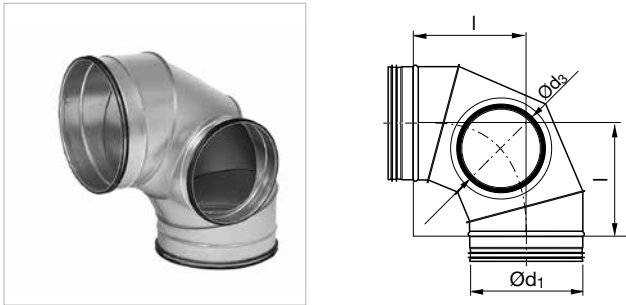


Ød, nom	Comment
250	
280	
300	
315	
355	
400	
450	
500	
560	For more detailed information about technical data and measures see catalogue page for BSFU 90°
600	
630	
710	
800	
900	
1000	
1120	
1250	

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

# Circular duct system

## BFKCU 90°, cleaning bend

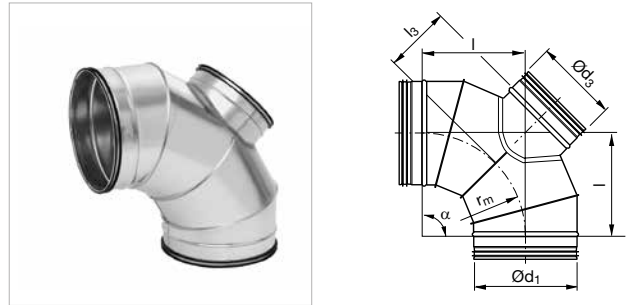


$\varnothing d_1$ nom	$\varnothing d_3$						
	100	125	160	200	250	315	400
100	•						
112	•						
125	•	•					
140		•					
150		•					
160		•	•				
180			•				
200			•				
224				•			
250				•	•		
300					•		
315					•	•	
400						•	•

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

- Available dimensions

## BFBKCU 90°, cleaning bend



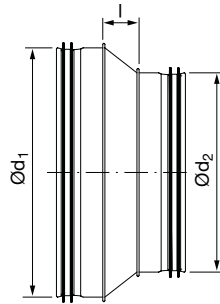
$\varnothing d_1$ nom	$\varnothing d_3$						
	100	125	160	200	250	315	400
100	•						
112	•						
125	•	•					
140		•					
160		•	•				
150		•					
180			•				
200			•				
224				•			
250				•	•		
300					•		
315					•	•	
400						•	•

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

- Available dimensions

# Circular duct system

## RCU, reducer



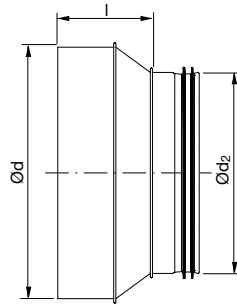
Ød <sub>1</sub> nom													
	80	100	125	150	160	180	200	224	250	315	400	500	
100	•												
125	•	•											
150		•	•										
160	•	•	•	•									
180		•	•	•	•								
200		•	•	•	•	•							
224				•	•	•	•						
250			•	•	•	•	•	•					
300							•		•				
315					•		•		•				
355									•	•			
400							•		•	•			
500									•	•	•		
630										•	•	•	

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

- Available dimensions

# Circular duct system

## RCFU, reducer with female end



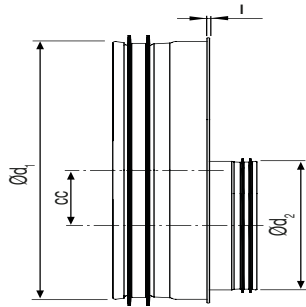
Ød nom													
	80	100	125	150	160	180	200	224	250	315	400	500	
100	•												
125	•	•											
150		•	•										
160		•	•	•									
180		•	•	•	•								
200		•	•	•	•	•							
224				•	•	•	•						
250			•	•	•	•	•	•					
300							•		•				
315					•		•		•				
355									•	•			
400							•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

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

- Available dimensions

# Circular duct system

## RU, eccentric reducer



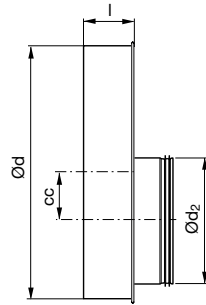
Ød <sub>1</sub> nom	Ød <sub>2</sub>																	
	200	224	250	280	300	315	355	400	450	500	560	600	630	710	800	900	1000	1120
400	•	•	•	•	•	•	•											
450			•	•	•	•	•	•										
500			•	•	•	•	•	•	•									
560						•	•	•	•	•								
600						•	•	•	•	•	•							
630						•	•	•	•	•	•	•						
710								•	•	•	•	•	•					
800								•	•	•	•	•	•	•				
900										•	•	•	•	•	•			
1000										•	•	•	•	•	•	•		
1120													•	•	•	•	•	
1250													•	•	•	•	•	•

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

- Available dimensions

# Circular duct system

## RFU, eccentric reducer with female end



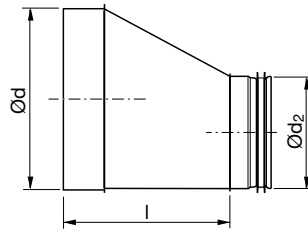
Ød nom	Ød <sub>2</sub>																	
	200	224	250	280	300	315	355	400	450	500	560	600	630	710	800	900	1000	1120
400	•	•	•	•	•	•	•											
450			•	•	•	•	•	•										
500			•	•	•	•	•	•	•									
560						•	•	•	•	•								
600						•	•	•	•	•	•							
630						•	•	•	•	•	•	•						
710								•	•	•	•	•	•					
800								•	•	•	•	•	•	•				
900										•	•	•	•	•	•			
1000										•	•	•	•	•	•	•		
1120													•	•	•	•	•	
1250													•	•	•	•	•	•

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

- Available dimensions

# Circular duct system

## 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																				•	•	•	•	•	•	•	•

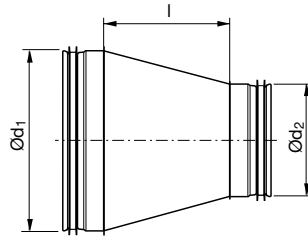
**Comment:** For more detailed information about technical data and measures see catalogue page for RFLU

- Available dimensions



# Circular duct system

## RCLU, long, concentric reducer



Ød <sub>1</sub> 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 catalogue page for RCLU

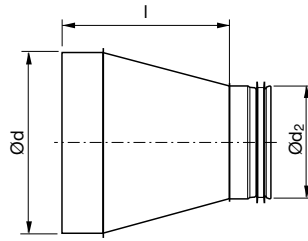
- Available dimensions





# Circular duct system

## 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																				•	•	•	•	•	•	•	•

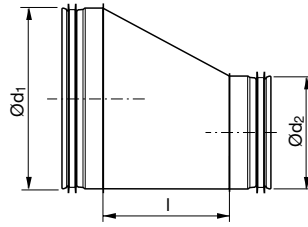
**Comment:** For more detailed information about technical data and measures see catalogue page for RCFLU

- Available dimensions



# Circular duct system

## RLU, long tangential reducer



$\varnothing d_1$ 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																				•	•	•	•	•	•	•

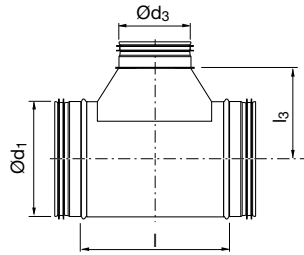
**Comment:** For more detailed information about technical data and measures see catalogue page for RLU

- Available dimensions



# Circular duct system

## TCU, centric T-piece



Ød <sub>1</sub> 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																											

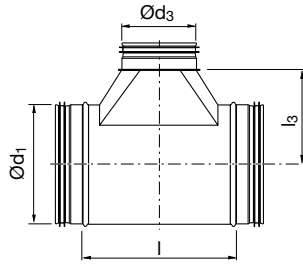
**Comment:** For more detailed information about technical data and measures see catalogue page for TCU

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



# Circular duct system

## TU, tangential T-piece



Ød <sub>1</sub> 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																												

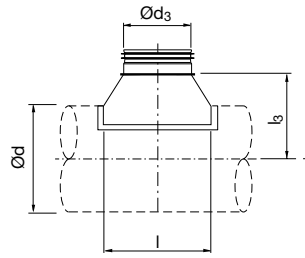
**Comment:** For more detailed information about technical data and measures see catalogue page for TU

- Available dimensions



# Circular duct system

## 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																			•	•	•	•	•	•	•	•	•

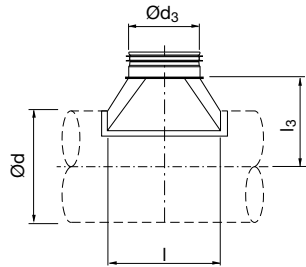
**Comment:** For more detailed information about technical data and measures see catalogue page for TSTCU

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



# Circular duct system

## 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																			•	•	•	•	•	•	•	•	•

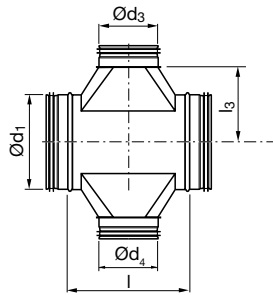
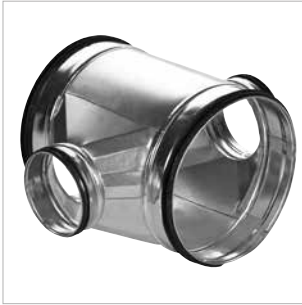
**Comment:** For more detailed information about technical data and measures see catalogue page for TSTU.

- Available dimensions



# Circular duct system

## XCU, centric X-piece



$\varnothing d_1$ 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	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																												

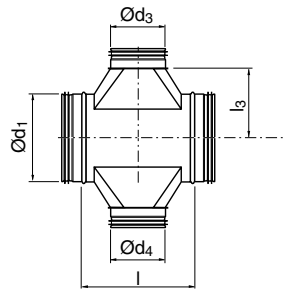
**Comment:** For more detailed information about technical data and measures see catalogue page for XCU.

- Available dimensions



# Circular duct system

## XU, tangential X-piece



Ød <sub>1</sub> 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 catalogue page for XU.

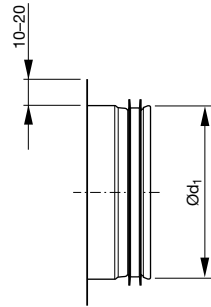
- Available dimensions



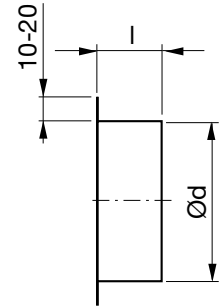


# Circular duct system

## ILU, take-off without radius



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



Ød, nom	Comment
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	

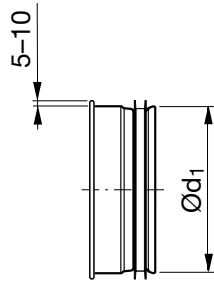
For more detailed information about technical data and measures see catalogue page for ILU.

Ød nom	Comment
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	

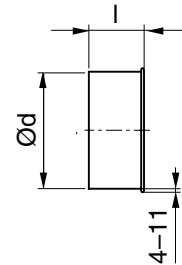
For more detailed information about technical data and measures see catalogue page for ILF.

# Circular duct system

## ESNU, take-off with mesh



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



Ød, nom	Comment
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	

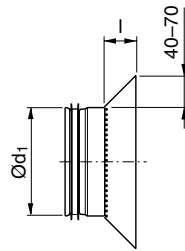
For more detailed information about technical data and measures see catalogue page for ESNU.

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

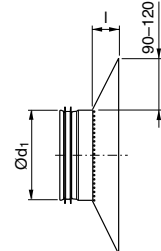
For more detailed information about technical data and measures see catalogue page for EPNF.

# Circular duct system

ILKNU 50, take-off with mesh and cone



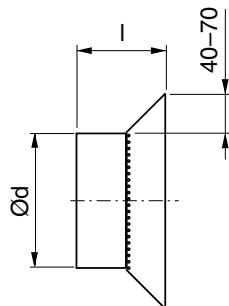
ILKNU 100, take-off with mesh and cone



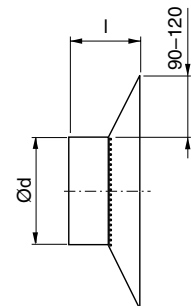
$\varnothing d, \text{nom}$	Comment
80	For more detailed information about technical data and measures see catalogue page for ILKNU 50.
100	
125	
160	
200	
250	
315	
400	
500	
630	
800	

$\varnothing d, \text{nom}$	Comment
80	For more detailed information about technical data and measures see catalogue page for ILKNU 100.
100	
125	
160	
200	
250	
315	
400	
500	
630	
800	

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



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

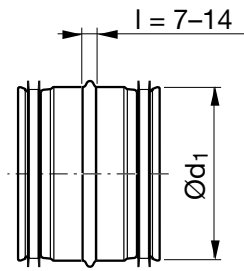


$\varnothing d, \text{nom}$	Comment
100	For more detailed information about technical data and measures see catalogue page for ILKNF 50.
125	
160	
200	
250	
315	
400	
500	
630	
800	

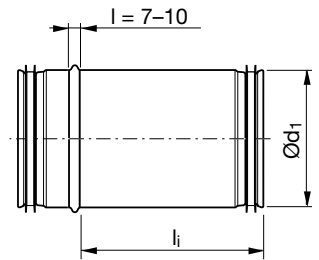
$\varnothing d, \text{nom}$	Comment
100	For more detailed information about technical data and measures see catalogue page for ILKNF 100.
125	
160	
200	
250	
315	
400	
500	
630	
800	

# Circular duct system

## NPU, coupling



## SNPU, slide-in coupling

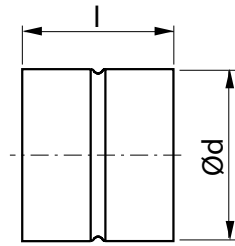


Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	For more detailed information about technical data and measures see catalogue page for NPU.
315	
355	
400	
450	
500	
560	
600	
630	
710	
800	
900	
1000	
1120	
1250	

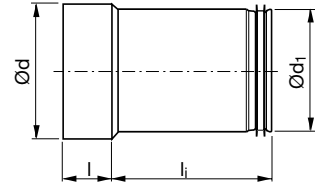
Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	All dimensions available in nominal lengths 150 mm, 300 mm and 500 mm.
250	
280	
300	For more detailed information about technical data and measures see catalogue page for SNPU.
315	
355	
400	
450	
500	
560	
630	
800	
1000	
1250	

# Circular duct system

## MF, female coupling



## SMFU, slide-in female coupling



Ød nom	Comment
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	

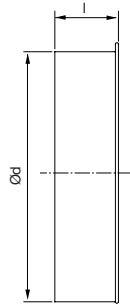
For more detailed information about technical data and measures see catalogue page for MF.

Ød <sub>1</sub> nom	l mm	Comment
80		
100		
112		
125		
140		
150		
160		
180	150, 300 or 500	
200		
224		
250		
280		
300		
315		
355		
400		
450		
500	300 or 500	
560		
630		
800		
1000	500	
1250		

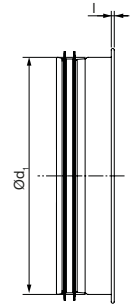
For more detailed information about technical data and measures see catalogue page for SMFU.

# Circular duct system

## EPF, end cap



## ESU, end cap



Ød nom	Comment
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	

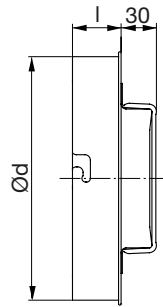
Ød nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
560	
600	
630	
710	
800	
900	
1000	
1120	
1250	

For more detailed information about technical data and measures see catalogue page for EPF.

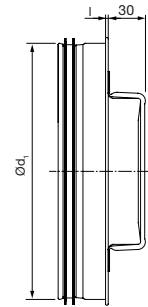
For more detailed information about technical data and measures see catalogue page for ESU.

# Circular duct system

## EPFH, access door



## ESHU, access door



Ød nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
630	

Ød nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
630	

For more detailed information about technical data and measures see catalogue page for EPFH.

Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
630	

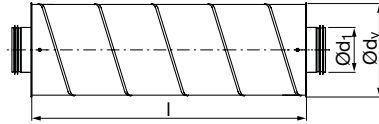
  

Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
630	

For more detailed information about technical data and measures see catalogue page for ESHU.

# Circular duct system

## SLCU 50, circular straight silencer



Ød <sub>1</sub> nom	l			
	300	600	900	1200
80	•	•	•	•
100	•	•	•	•
125	•	•	•	•
160	•	•	•	•
200	•	•	•	•
250		•	•	•
315		•	•	•
400		•	•	•

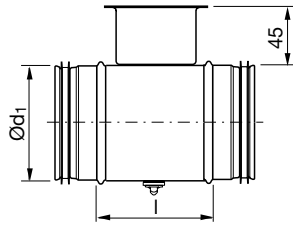
**Comment:** For more detailed information about technical data and measures see catalogue page for SLCU 50.

- Available lengths

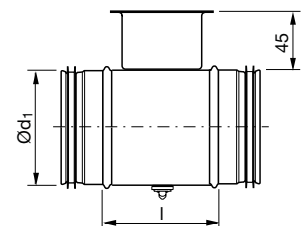


# Circular duct system

## DRU, regulating damper



## DSU, shut-off damper



Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
560	
600	
630	

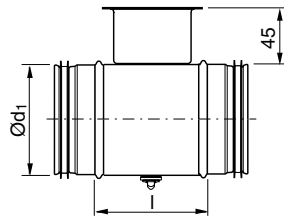
For more detailed information about technical data and measures see catalogue page for DRU.

Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	
280	
300	
315	
355	
400	
450	
500	
560	
600	
630	

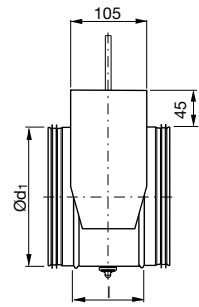
For more detailed information about technical data and measures see catalogue page for DSU.

# Circular duct system

## DTU, shut-off damper



## DTHU, shut-off damper with motor shelf

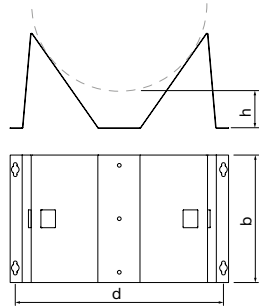


Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	For more detailed information about technical data and measures see catalogue page for DTU.
280	
300	
315	
355	
400	
450	
500	
560	
600	
630	

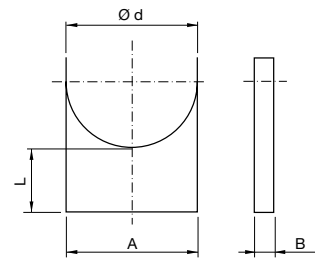
Ød, nom	Comment
80	
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	For more detailed information about technical data and measures see catalogue page for DTHU.
280	
300	
315	
355	
400	
450	
500	
560	
600	
630	

# Duct suspension and support system

## MDH, duct holder



## DH, duct holder

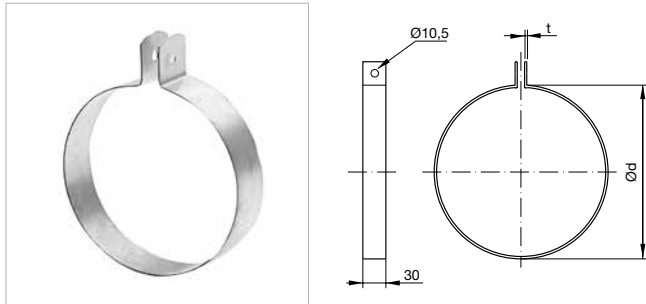


Ød nom	Comment
100	
112	
125	
140	
150	
160	
180	
200	
224	
250	For more detailed information about technical data and measures see catalogue page for MDH.
280	
300	
315	
355	
400	
450	
500	
560	
600	
630	

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

# Duct suspension and support system

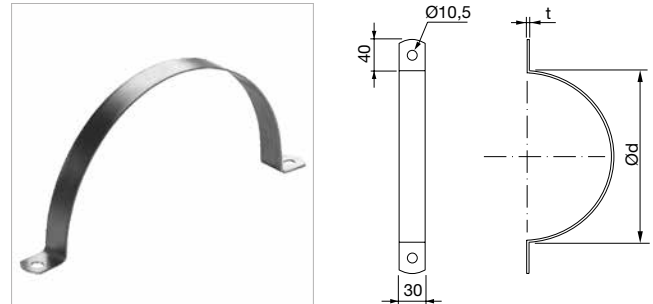
## UV30, suspension rings



Ød nom	Comment
80	For more detailed information about technical data and measures see catalogue page for UV30.
100	
125	
160	
200	
250	
315	
400	
500	
630	

These suspension rings is not available in Magnesium-zinc. If corrosivity class C4 is required, use rings made of Aluminium-zinc. If corrosivity class C5 is required, use rings made of Stainless steel.

## UVH30, suspension rings



Ød nom	Comment
400	For more detailed information about technical data and measures see catalogue page for UVH30.
500	
630	
800	

These suspension rings is not available in Magnesium-zinc. If corrosivity class C4 is required, use rings made of Aluminium-zinc. If corrosivity class C5 is required, use rings made of Stainless steel.

# Fasteners

## 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	



## Good Thinking

**At Lindab**, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

**We simplify construction**