

# RC Reducers



## Description

The RC concentric reducer is a fitting made of galvanized steel, designed to connect two circular ducts of different diameters while maintaining the same central axis of the ductwork system.

Thanks to its concentric geometry, the RC reducer provides a gradual transition in the airflow cross-section, helping to minimize pressure losses and maintain high aerodynamic performance within the system.

## Characteristics

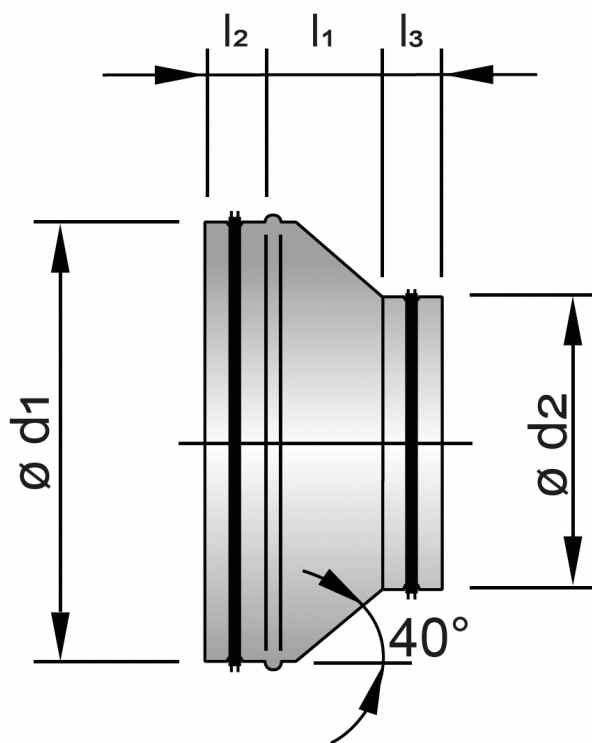
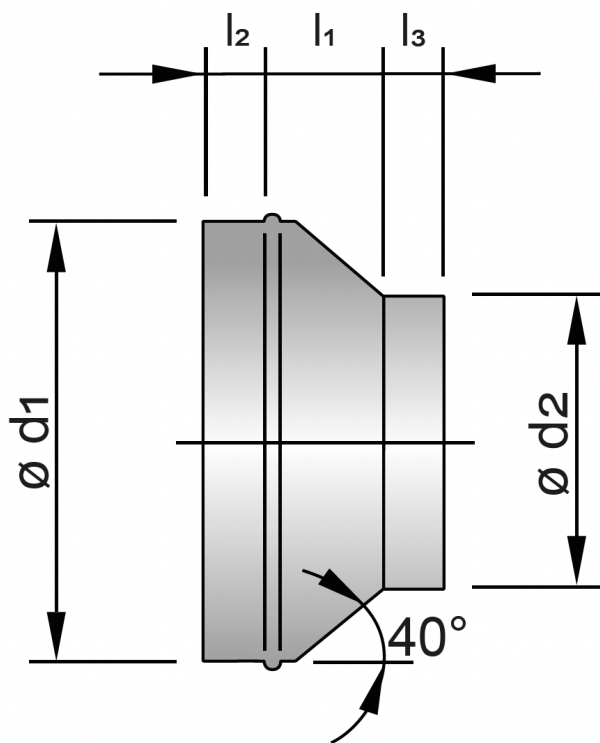
Made of high-quality galvanized steel.  
Robust construction with high corrosion resistance.  
Concentric geometry with aligned central axis.  
High dimensional accuracy.  
Compatible with standard circular ducts and fittings.  
Easy installation and maintenance.

Sheet metal thickness:

- Diameters 80–315 mm:  $t = 0.6$  mm.

## Models

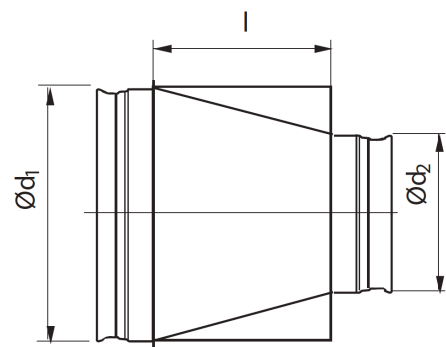
- RC – Concentric reducer;
- RCG – Concentric reducer with double-lip gasket;
- RCGL – Concentric reducer with gasket.



Dimensions and Price List

Dimensions are expressed in mm.  
\* RCG with airtight seal

| Ø d1              | Ø d2              | L <sub>2</sub> | L <sub>1</sub> | L <sub>3</sub> | Weight | RC | *RCG |
|-------------------|-------------------|----------------|----------------|----------------|--------|----|------|
| Nominal Size (mm) | Nominal Size (mm) | mm             | mm             | mm             | kg     | €  | €    |
| 100               | 80                | 42             | 22             | 42             | 0,2    | -  |      |
| 125               | 80                | 42             | 35             | 42             | 0,3    | -  | -    |
|                   | 100               | 45             | 23             | 40             | 0,3    | -  | -    |
| 150               | 100               | 42             | 40             | 40             | 0,3    | -  | -    |
|                   | 125               | 45             | 22             | 40             | 0,3    | -  | -    |
| 160               | 100               | 45             | 45             | 40             | 0,4    | -  | -    |
|                   | 125               | 43             | 30             | 40             | 0,4    | -  | -    |
|                   | 150               | 40             | 13             | 44             | 0,4    | -  | -    |
| 180               | 100               | 44             | 58             | 40             | 0,5    | -  |      |
|                   | 125               | 45             | 42             | 40             | 0,5    | -  |      |
|                   | 150               | 45             | 28             | 40             | 0,4    | -  |      |
|                   | 160               | 45             | 21             | 42             | 0,4    | -  |      |
| 200               | 100               | 44             | 68             | 38             | 0,6    | -  | -    |
|                   | 125               | 44             | 53             | 41             | 0,6    | -  | -    |
|                   | 150               | 45             | 38             | 41             | 0,5    | -  | -    |
|                   | 160               | 44             | 33             | 41             | 0,5    | -  | -    |
|                   | 180               | 44             | 20             | 40             | 0,5    | -  |      |
| 250               | 150               | 50             | 67             | 41             | 0,9    | -  |      |
|                   | 160               | 42             | 62             | 39             | 0,9    | -  | -    |
|                   | 180               | 45             | 50             | 38             | 0,9    | -  |      |
|                   | 200               | 45             | 40             | 44             | 0,8    | -  | -    |
| 300               | 200               | 57             | 68             | 43             | 1,2    | -  |      |
|                   | 250               | 60             | 36             | 45             | 1,0    | -  |      |
| 315               | 160               | 58             | 103            | 40             | 1,7    | -  |      |
|                   | 200               | 60             | 78             | 44             | 1,5    | -  | -    |
|                   | 250               | 60             | 48             | 45             | 1,4    | -  | -    |
|                   | 300               | 60             | 15             | 54             | 1,2    | -  |      |



All dimensions are expressed in mm.

| Ø d <sub>1</sub> | Ø d <sub>2</sub> | l   | kg   |
|------------------|------------------|-----|------|
| 355              | 160              | 298 | 1,84 |
|                  | 180              | 270 | 1,77 |
|                  | 200              | 243 | 1,71 |
|                  | 224              | 210 | 1,61 |
|                  | 250              | 174 | 1,56 |
|                  | 280              | 133 | 1,41 |
|                  | 300              | 106 | 1,30 |
|                  | 315              | 85  | 1,21 |
| 400              | 160              | 365 | 2,44 |
|                  | 180              | 337 | 2,38 |
|                  | 200              | 310 | 2,31 |
|                  | 224              | 277 | 2,23 |
|                  | 250              | 241 | 2,20 |
|                  | 280              | 200 | 2,01 |
|                  | 300              | 172 | 1,90 |
|                  | 315              | 152 | 1,86 |
|                  | 355              | 97  | 1,55 |
| 450              | 200              | 378 | 2,99 |
|                  | 224              | 346 | 2,90 |
|                  | 250              | 310 | 2,85 |
|                  | 280              | 269 | 2,70 |
|                  | 300              | 241 | 2,59 |
|                  | 315              | 221 | 2,50 |
|                  | 355              | 166 | 2,24 |
|                  | 400              | 109 | 2,64 |
| 500              | 200              | 447 | 3,66 |
|                  | 224              | 414 | 3,56 |
|                  | 250              | 378 | 3,51 |
|                  | 280              | 337 | 3,36 |
|                  | 300              | 310 | 3,25 |
|                  | 315              | 289 | 3,16 |
|                  | 355              | 234 | 2,89 |
|                  | 400              | 177 | 2,69 |
|                  | 450              | 109 | 2,37 |

Price List on Request