

Diffuser bends

QBR1



Description

The standard 90° bends are fitted with sheet angles, have an inner and outer rounding, and the entire product is braced by cross-wise ribbing. The bends are recommended for high air velocity and/or higher pressure ventilation systems and greater sizes of side $a > 400$ mm.

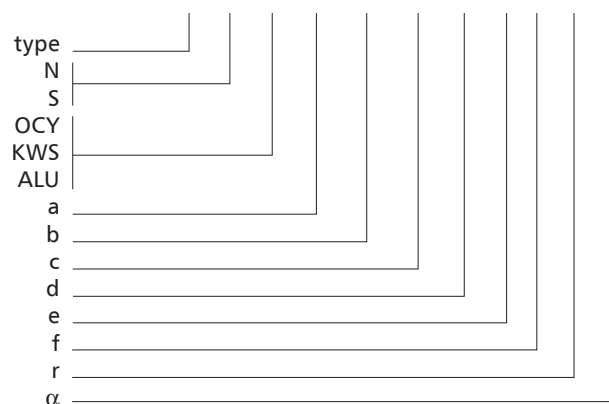
The standard radius is $r = 120$ mm. The standard angle is $\alpha = 90^\circ$. Typical applications of the bends include rerouting the ductwork by 90 degrees with the inner clearance varying in two planes along the bend path. A diffuser bend does not require vanes. The product can feature additional bracing with baffles on request.

Available materials — Product code examples

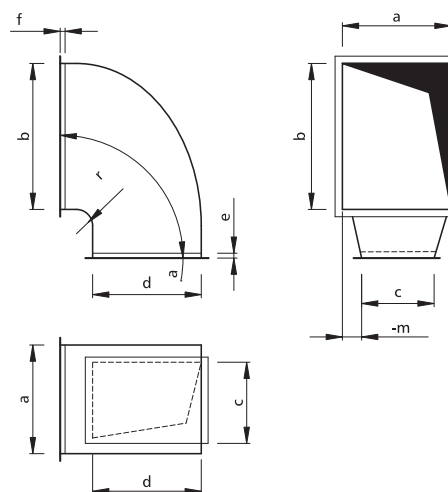
- QBR1-...-...-... — galvanized steel sheet
- QBR1-...-K-...-... — 1.4301/304 stainless steel sheet
- QBR1-...-K-...-...-316L — 1.4404/316L stainless steel sheet
- QBR1-...-A-...-... — AW-1050A H24 aluminium sheet

Product code example

Productcode: QBR1-N-OCY-500x300x400-200-30-30-120-90



Dimensions



- N — low-pressure version
- S — medium-pressure version
- OCY — galvanized steel
- KWS — stainless steel
- ALU — aluminium
- a — width
- b — height
- c — outlet width
- d — outlet height
- e — extension (default $e = 30$ mm)
- f — extension (default $f = 30$ mm)
- r — radius (default $r = 120$ mm)
- α — angle (default $\alpha = 90^\circ$)

The standard versions are made in default dimension sizes which do not have to be specified.