

TECHNICAL DATA SHEET

DucoFlex Insulated 90° bend with integrated coupler D160

The DucoFlex Insulated 90° bend D160 is a smooth and insulated elbow for ventilation ducts made of EPS. The good insulating properties of this product prevent a thermal bridge and therefore condensation when polluted air is extracted or outside air is supplied. Energy losses are also avoided. In addition to the good thermal insulation value, the material used also dampens noise and is very easy to handle. A connection piece is supplied as standard that connects the various EPS components in a quick and airtight manner.



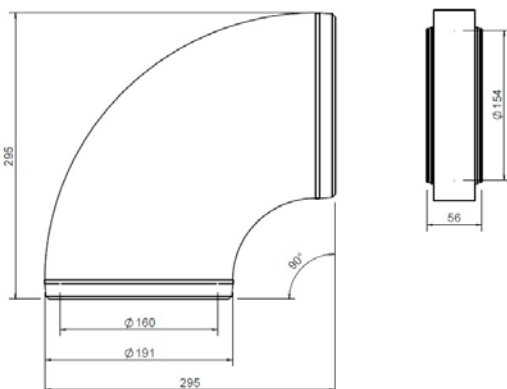
Physical characteristics

Article number	0000-4571
Contents	Insulated 90° bend D160 + integrated coupler D160
Width x Height x Depth (mm)	Without sleeve: 191 x 295 x 295 With sleeve: 197 x 298 x 324
Connection diameter (mm)	160 (inner size)
Weight (kg)	Without sleeve: 0.115 With sleeve: 0.240
Wall thickness (mm)	15,5
Material	Expanded polystyrene (EPS)
Colour	Grey
Packaging	Packed in seal per piece

Technical features

Range of application	Extract Air / Supply Air
Maximum flow rate	Extraction: 400 m ³ /h Supply: 325 m ³ /h
Air tightness class (ATC)	2 (D)
Thermal resistance (W/mK)	0,032
R-value [m²K/W]	0,48
Operating temperature	from -25° to +80°C
Fire rating EN 13501-1	E

Air velocity (m/s)	Flow rate (m ³ /h)	Pressure loss (Pa)
1	72	0,1
2	145	0,5
3	217	1,2
4	290	2,2
6	434	4,9



Pressure drop: inlet and outlet

