

Smoke duct section transitions

DSK-FPD



Description

The rectangular smoke duct section transitions DSK type is used to install in single smoke and heat duct systems where smoke and heat need to be removed and extracted. Transitions distribute air movement evenly when it is necessary to switch from rectangular duct to circular. Products can be made of: galvanized steel sheet - corrosion class C3-L/C2-M; sheet with aluminium zinc coating - corrosion class C4-M/C3-H.

The products are CE marked according to the standard LST EN 12101-7 and are used in smoke and heat control systems (for more information see the product declaration).

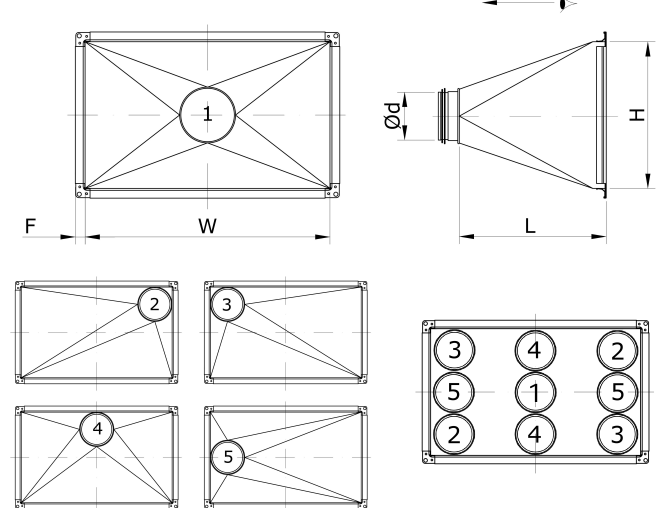
Maximum smoke duct section width x height x diameter, [mm]	Classification according LST EN 13501-4
≤ 1250x1000x1000	E₆₀₀ 120 (h_o) S1500 single

Ordering code

..... DSK-FPD500300/d160-1-300

Galvanized steel - Aluminium zinc-AZ				
Product				
Size				
Diameter d, mm				
Number of position				
Length L, mm				

Dimensions



	W	H
	[mm]	[mm]
Minimum dimension	200	200
Maximum dimension	1250	1000
Connection flange	F30	

The smoke duct transition length L depends on the selected dimensions W, H and Ød, and the optimum is chosen to minimize air pressure drop. If required, the length L is determined by the customer as required in the product.

Technical data

The pressure losses of the rectangular system are calculated using data from circular ducts. Calculate the cross area and take the nearest smaller cross area of the circular duct.

Weight formula [kg] (galvanized steel)	W	H
	[mm]	[mm]
$m[\text{kg}] = 9,5 \cdot (W[\text{m}] \cdot L[\text{m}] + H[\text{m}] \cdot L[\text{m}]) + 1,5 \cdot (W[\text{m}] + H[\text{m}])$	Up to 1250	Up to 1000

Sample: DSK-FPD500300/d160-1-300 – made of galvanized steel smoke duct transition, dimensions WxH- 500x300 mm, to diameter 160 mm, centre position 1, length 300 mm.