

Taper for smoke duct sections

DSK-FPS



Description

The rectangular smoke duct section taper DSK type is used to install in single smoke and heat duct systems where smoke and heat need to be removed and extracted. Taper distribute air movement evenly when it is necessary to switch between different dimensions of connection. 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).

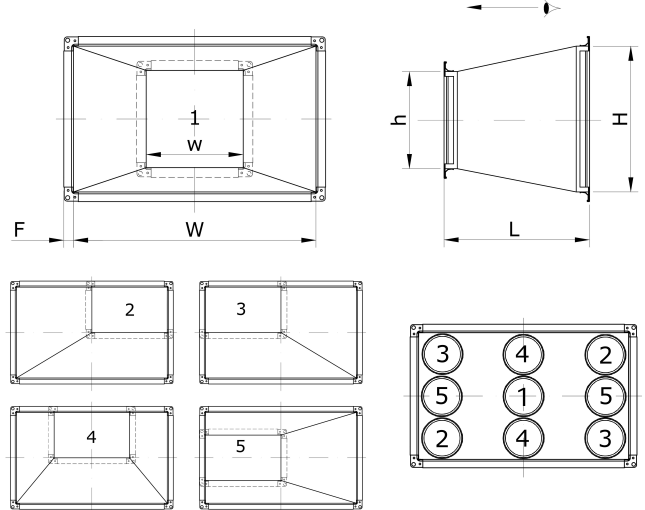
Maximum smoke duct section width x height, [mm] ≤ 1250x1000	Classification according LST EN 13501-4 E₆₀₀ 120 (h_o) S1500 single
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Ordering code

..... DSK-FPS500300/100100-1-300

Galvanized steel - Aluminium zinc-AZ				
Product				
Size				
Smallest dimension w or h, mm				
Number of position				
Length L, mm				

Dimensions



	W or w [mm]	H or h [mm]
Minimum dimensions	200	200
Maximum dimensions	1250	1000
Connection flange	F30	

Taper length L depends on the chosen dimensions W, H, h, w 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 taper are calculated using data from round ducts. Calculate the cross area and take the nearest smaller cross area of the circular reducer.

Weight formula [kg] (galvanized steel)	W [mm]	H [mm]
$m[\text{kg}] = 10,5 \cdot (W[\text{m}] \cdot L[\text{m}] + H[\text{m}] \cdot L[\text{m}]) + 2,8 \cdot (W[\text{m}] + H[\text{m}])$	Up to 1250	Up to 1000

Sample: DSK-FPS500300/100100-1-300 – made of galvanized steel taper for smoke duct section, dimensions WxH- 500x300 mm, to wxh – 100x100 mm, centre position 1, length 300 mm.