



TECHNIKA

Rectangular smoke duct sections

DSK-OFI



Description

The rectangular smoke duct section DSK type is used to install single smoke and heat duct systems where smoke and heat need to be removed and extracted. 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] | Smoke duct section length, [mm] | Classification according LST EN 13501-4 |
|---|---------------------------------|---|
| ≤ 1250x1000 | 1500 | E₆₀₀ 120 (h_o) S1500 single |

Ordering code

..... DSK-OFI500300-1500

Galvanized steel -
Aluminium zinc-AZ

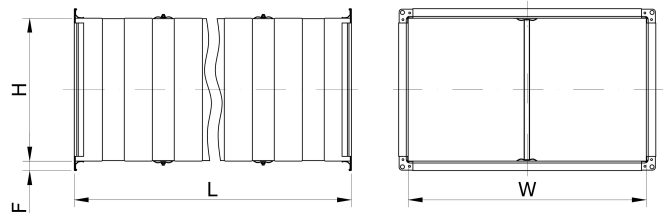
Product

Size

Length

Sample: AZDSK-OFI500300-1500 – made of aluminium zinc steel rectangular smoke duct section, dimensions BxW-500x300 mm, length 1500 mm.

Dimensions



| | W [mm] | H [mm] |
|----------------------------|-----------|-----------|
| Minimum dimension | 200 | 200 |
| Maximum standard dimension | 1250 | 1000 |
| Connection flange | F30 | |
| Length of the duct, mm | 100-1500 | |

Technical data

Large-sized ducts are internally reinforced with rods, single or cross joints. Surfaces is made with reinforcement, stiffened with transverse trapezoid corrugations, resulting in low self-noise and greater resistance to pressure vibrations.

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 [mm] | H [mm] |
|---|---------------------|---------------------|
| $m[\text{kg}] = 25 \cdot (W[\text{m}] + H[\text{m}])$ | Up to 699 | Up to 699 |
| $m[\text{kg}] = 25,5 \cdot (W[\text{m}] + H[\text{m}])$ | From 700 up to 1250 | Up to 699 |
| $m[\text{kg}] = 25,7 \cdot (W[\text{m}] + H[\text{m}])$ | From 700 up to 1250 | From 700 up to 1000 |