

# SDA-E

## RECTANGULAR DIFFUSER, ECONOMY VERSION



SMAY

### Description:

A steel rectangular diffuser with fixed vanes.



### Intended use

Air supply and exhaust diffusers are used as the terminations of medium- and low-pressure ventilation and air conditioning systems. Recommended for rooms up to 4 m high. Fixed vanes are factory set at the angle of 45°.

### Design

The frame and vanes form a one-piece structure made of black steel, standard powder painted in RAL 9010.

### Installation

Mounted to a plenum box with the use of a central bolt.

Table 1. Standard dimensions of SDA-E diffuser and plenum box.

Size	A [mm]	C [mm]	Ød [mm]	H <sub>1</sub> [mm]
205	245	205	158	270
261	301	261	158	270
317	357	317	198	330
372	412	372	198	330
558	598	558	298	430



Technical data of the diffusers, including pressure loss, noise level and airflow ranges, is available at [smay.eu](http://smay.eu), in the document Flow Characteristics for Grilles and Diffusers.

### Dimensions

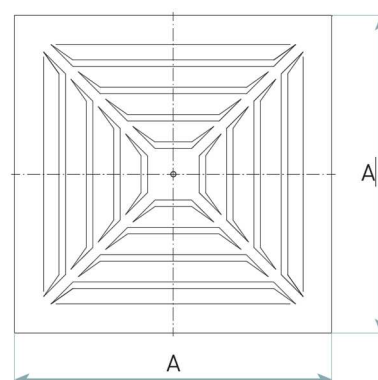


Figure 1. SDA-E front panel dimensions.

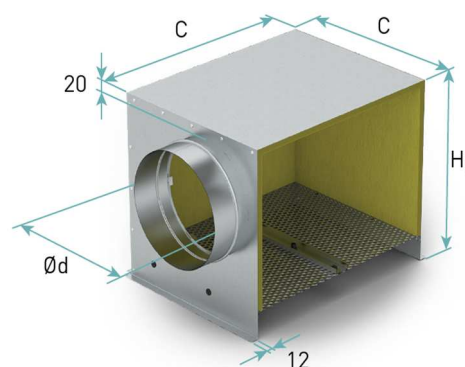


Figure 2. Dimensions of the SR square plenum box.

SL

RAL

## SDA-E - Rectangular diffuser, economy version

When ordering, please provide information in accordance with the following pattern:

SDA-E-4 - <C> x <C>- SL<RAL> / <ADD>

Where:

<b>C</b>	Mounting hole width and height in mm
<b>SL</b>	Finish: coated steel
<b>RAL</b>	Colours as per RAL colour standard (by default: RAL9010)*
<b>ADD</b>	Specify additional accessories here as follows

Accessories\*\*:

Plenum box as per the configuration below:

SR - <I> - <H> - <K><D><R>

<b>I</b>	Insulation*
	<b>None</b> – No insulation
	<b>t</b> – Insulated
<b>H</b>	Plenum box height in mm*
<b>K</b>	Position of spigot *
	<b>b</b> – Side
	<b>g</b> – Top
<b>D</b>	Connection pipe diameter in mm*
<b>R</b>	Damper in spigot *
	<b>None</b> – No damper
	<b>P</b> – Damper adjusted from outside the box

\* Optional values – if not specified, default values will be used

\*\* For more information see the accessories sheet

Sample order: **SDA-E-4-261x261-SL9010 / SRt-270-b158**



Blocks for Revit software, a selection programme and certificates are available at [www.smay.pl](http://www.smay.pl)