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## K\*, R\* – VENTILATION GRILLES

### ATTACHMENTS FOR TYPE TRS-K AND TYPE TRS-R VENTILATION GRILLES, MADE OF SHEET STEEL, FOR VOLUME FLOW RATE BALANCING

Attachments with manually adjustable blades

- Volume flow rate balancing
- Hit and miss damper with airflow straighteners
- Skimming hit and miss damper with airflow straighteners

## Application



### Application

- Attachments for ventilation grilles offer additional functions
- For volume flow rate balancing
- Damper units simplify the volume flow rate balancing required for commissioning, for supply air and extract air
- Ventilation grille need not be removed for adjustment

## Description



### Variants

- S: Hit and miss damper
- 5: Slanting special hit and miss damper

### Maintenance

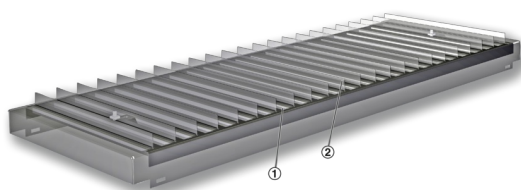
- Maintenance-free as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022

## TECHNICAL INFORMATION

### Function

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#### Schematic illustration of -S



- ① Hit and miss damper, blade for flow adjustment
- ② Airflow straightener

Attachments -AS, -S

### Variants, Dimensions and weight

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Any attachments are to be defined with the order code of the ventilation grille.

#### -\*S

##### Application

- For volume flow rate balancing
- Damper units simplify the volume flow rate balancing required for commissioning, preferably for extract air
- Ventilation grille need not be removed for adjustment

##### Parts and characteristics

- Hit and miss damper elements with airflow straighteners
- Can be adjusted and set with screws

#### -\*5

##### Application

- For volume flow rate balancing
- Slanting hit and miss damper that ensures a uniform airflow through the grille face
- Damper units simplify the volume flow rate balancing required for commissioning, preferably for extract air
- Ventilation grille need not be removed for adjustment

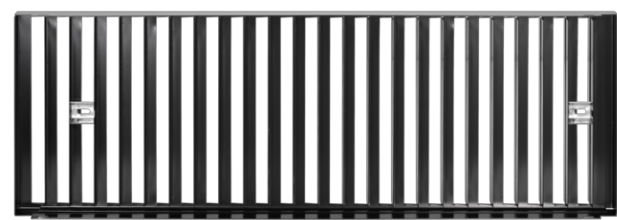
##### Parts and characteristics

- Hit and miss damper elements with airflow straighteners
- Can be adjusted and set with screws

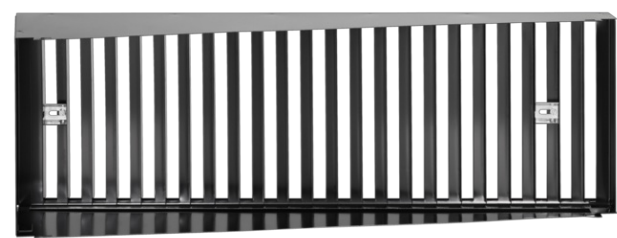
Attachments for ventilation grilles of Types TRS-K, TRS-R

Type of ventilation grille	Attachment	
	-*S	-*5
Type of ventilation grille	Hit and miss damper	Special hit and miss damper
Installation into rectangular ducts		
TRS-K	●	●
Installation into circular ducts		
TRS-R	●	●

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The weight table shows the available nominal sizes

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Product type	T mm	T <sub>1</sub> mm	T <sub>2</sub> mm
TRS-K	42	7	63

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Product type	Nominal height mm H <sub>N</sub>	T mm	T <sub>2</sub> mm
TRS-R	75	42	70
	125	42	74
TRS-R	225	42	86

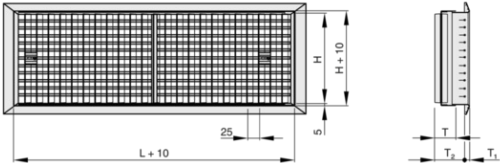
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Product type	L	T <sub>1</sub>	T <sub>2</sub>
	mm		
TRS-K	225	7	87
	325	7	99
TRS-K	425	7	112
	525	7	124
TRS-K	625	7	136
	825	7	160
TRS-K	1025	7	185
	1225	7	210

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Product type	L	H [mm]		
		75	125	225
Product type	L	T <sub>2</sub>		
	mm			
TRS-R	225	95	99	
	325	107	111	123
TRS-R	425	119	123	136
	525	131	135	147
TRS-R	625	143	147	159
	825	162	171	183
TRS-R	1025	191	195	207
	1225	215	211	231

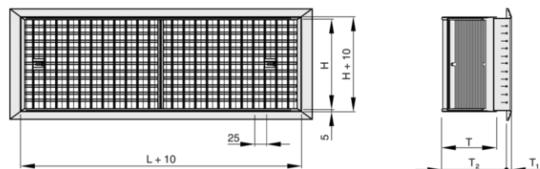
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L Nominal length  
H Nominal height

Attachments -AS, -S

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L Nominal length  
H Nominal height

## Commissioning

### Volume flow rate balancing

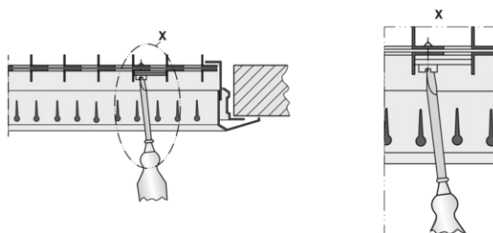
When several ventilation grilles are installed on the same duct, it may be necessary to balance the volume flow rates.

- AG: Damper unit with opposed action blades, adjustable, secured with a locking screw
- AS: Damper unit with hit and miss damper, adjustable, secured with a locking screw

### Air pattern

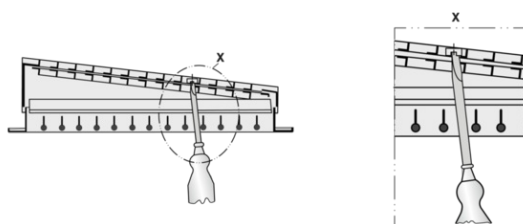
- Adjustable blades: Set the air control blades individually or together and depending on the local conditions
- D, DG: Air control blades, fitted at 90° to the front blades, can be adapted to the local conditions

### Volume flow rate balancing -S



Attachments -AS, -KS, -RS and Type ASW

### Volume flow rate balancing -5



Attachments -5