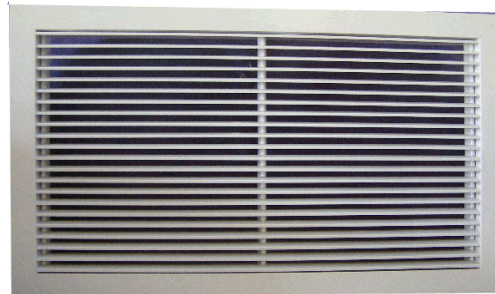
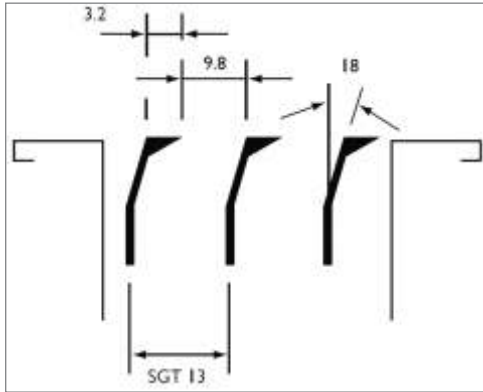


# GRILLES

## Strip Grilles - SGS / SGT



### TYPE SGS (18 DEGREE DEFLECTION):

Strip Grille manufactured of extruded Type 50S anodising grade aluminium with fixed blades. These grilles can be used either vertically or horizontally. They can be used as Supply or Return Air Grilles and also for fancoil and induction units and can incorporate access flaps.

<b>TYPE SGS</b>	13mm
<b>Accessories</b>	OBD = Opposed Blade Damper PC = Punched counter sunk holes CDF = Concealed Fixing
<b>Frame Options</b>	30mm Standard 20mm 50mm
<b>Finish Options</b>	NA = Natural Anodised EPC = Epoxy Powder Coating
<b>Blade Spacings</b>	13mm Standard 19mm 21mm 26mm

### Ordering Procedure: Example

Ref	Qty	Size (L x H)	Type	Access	Frame	Finish	Special Instructions
1	15	900 X 150	SGS13	OBD	20	NA	OUTSIDE NECK

### Note:

- (1) Dimensions given are for opening size into which grille will fit (i.e Normal Duct Size)
- (2) If code "OS" is entered under SPECIAL INSTRUCTIONS, then dimensions given are over flange.
- (3) If 19, 21, 26mm Blade Spacing required, enter under SPECIAL INSTRUCTIONS.



# GRILLES

## Strip Grilles - SGS / SGT

### SELECTION DATA

#### NOTE

- Selection data is for 13mm blade spacing.
- Selection data is based on m<sup>3</sup>/s/metre width.
- Jet velocity is actual velocity between blades. Average face velocity (25mm from grille) - 65% of jet velocity.
- Type SGS usually only used for extract.

EXAMPLE (Selection based on 1 metre lengths of grille)

#### Type SGS

For 0,3 m<sup>3</sup>/s/metre and 6 metre throw use 150mm wide grille (duct width)

Jet velocity - 3m/s  
Pressure drop - 6N/m<sup>2</sup> (Extract) or 8N/m<sup>2</sup> (Supply)

#### CONVERSION FACTORS

CFM	x	0,000472	=	m <sup>3</sup> /s
FPM	x	0,005	=	m/s
inches WG	x	250	=	N/m <sup>2</sup>
INCHES	x	25.4	=	mm

### SELECTION DATA

#### NOTE

- For diminsional data refer to sheet SGT
- Selection data is for 13mm blade spacing.
- Selection data is based on m<sup>3</sup>/s/metre width.
- Jet velocity is actual velocity between blades. Average face velocity (25mm from grille) - 65% of jet velocity.
- Type SGT usually only used for extract.

EXAMPLE (Selection based on 1 metre lengths of grille)

#### Type SGT

For 0,278 m<sup>3</sup>/s/metre and 6 metre throw use 137,5mm wide grille (duct width)

Jet velocity - 4,6m/s  
Pressure drop - 9N/m<sup>2</sup> (Extract) or 12N/m<sup>2</sup> (Supply)

#### CONVERSION FACTORS

CFM	x	0,000472	=	m <sup>3</sup> /s
FPM	x	0,005	=	m/s
inches WG	x	250	=	N/m <sup>2</sup>
INCHES	x	25.4	=	mm

# GRILLES

## Performance Data SGS / SGT

