TAWREED

TAWREED TRADING & CONTRACTING · DUCT FACTORY IN QATAR SINCE 2012

TECHNICAL DATA SHEET // AIR OUTLETS

Linear Bar Grille – Single & Double Deflection

جريل شريط خطي – انحراف مفرد ومزدوج

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DOCUMENT

8 pages, extracted from:
Technical Submittal - Air Outlet, p. 32–38
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CONTACT · REQUEST A QUOTE

Phone / WhatsApp: +974 7097 0111 Email: hvac@tawreed.ltd
Factory: Zone 91, Street 3138, Building 66, Birkat Al Awamer, Qatar
Web: tawreed.ltd Hours: Sat–Thu, 9am–5pm

Data supplied for submittal and specification purposes. Values are nominal; confirm project-specific requirements with Tawreed before ordering.

SINGLE DEFLECTION LINEAR BAR GRILL

CONSTRUCTION:
Frame: High quality extruded aluminium profile with 30 mm flange width as standard.
Face bars: High quality aluminium profiles of , 1-°15 way throw and 2-°15 way throw.
Bar spacing: 12 mm as standard.

Grille width: 50 mm to 300 mm with increments of 50 mm.

Description:

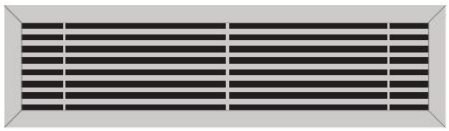
- Frame and face bars are of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.

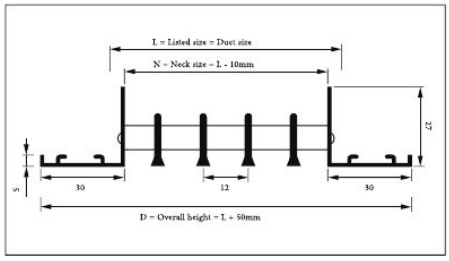
- Horizontal face bars with 1-°15 ,°0 way throw and 2-°15 way throw are fixed rigidly to the frame with 10 mm pipes.

- For perfect unbroken appearance of continuous runs, alignment strips are provided with no additional cost.

- Total structure is manufactured by mechanical assembly, assuring rigidity and to maintain straight line appearance.

- Supplied with C-clamps for concealed fixing.





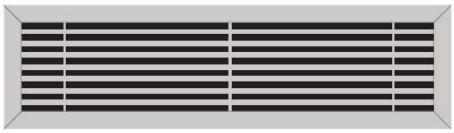
SINGLE DEFLECTION LINEAR BAR REGISTER

CONSTRUCTION:
Frame: High quality extruded aluminium profile with 30 mm flange width as standard.
Face bars: High quality aluminium profiles of°, 1-°15 way throw and 2-°15 way throw.
Bar spacing: 12 mm as standard.

Grille width: Grille width: 50 mm to 300 mm with increments of 50 mm.
Damper frame and blades: High quality extruded aluminium profiles with natural aluminium finish. Black matt finish as option.

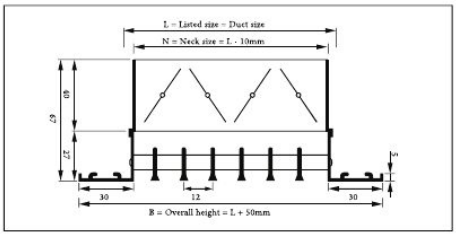
Description:

- Frame and face bars are of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.



- Horizontal face bars with 1-°15 ,°0 way throw and 2-°15 way throw are fixed rigidly to the frame with 10 mm pipes.

- Grilles are fixed rigidly with opposed blade damper by grippers. This ensures positive control over the air stream. Damper blades can be screw operated from the face opening.



- For perfect unbroken appearance of continuous runs, alignment strips are provided with no additional cost.

- Foam gasket is sealed around the back of the frame as option to avoid air leakage.

- Supplied with C-clamps for concealed fixing.

DOUBLE DEFLECTION LINEAR BAR REGISTER

CONSTRUCTION:
Frame: High quality extruded aluminium profile with 30 mm flange width as standard.
Face bars: High quality aluminium profiles of, 1-°15 way throw and 2-°15 way throw.
Bar spacing: 12 mm as standard.

Grille width: 50 mm to 300 mm with increments of 50 mm.
Damper frame and blades: High quality extruded aluminium profiles with natural aluminium finish. Black matt finish as option.

Description:

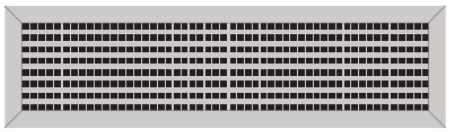
- Frame and face bars are of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.

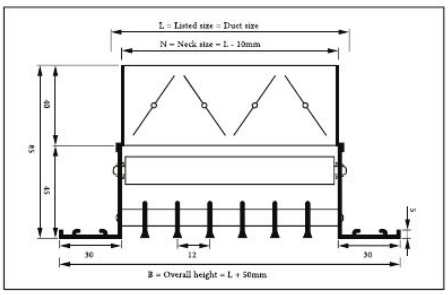
- Horizontal face bars with 1-°15 ,°0 way throw and 2-°15 way throw are fixed rigidly to the frame with 10 mm pipes.
- Vertical aluminium aerofoil blades are fixed at the rear side of the frame by nylon bushes. These blades can be adjusted manually and individually in the vertical plane to obtain optimum air distribution.

- Grilles are fixed rigidly with an opposed blade damper by grippers to ensure positive control over the air stream. Damper blades can be screw operated from the face opening of the grille.

- Provided with alignment strip for continuous appearance. Foam gasket is sealed around the back of the frame to avoid air leakage.

- Supplied with C-clamps for concealed fixing.



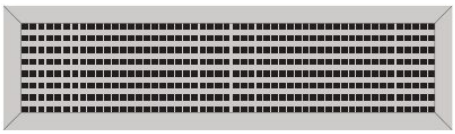


DOUBLE DEFLECTION LINEAR BAR GRILL

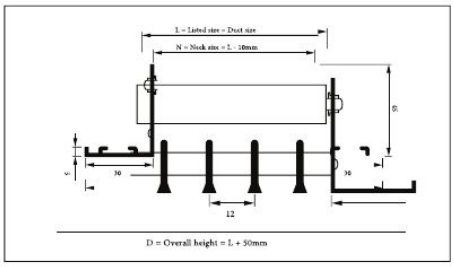
CONSTRUCTION:
Frame: High quality extruded aluminium profile with 30 mm flange width as standard.
Face bars: High quality aluminium profiles of ,1-°15 way throw and 2-°15 way throw.
Bar spacing: 12 mm as standard.

Grille width: 50 mm to 300 mm with increments of 50 mm.

Description:



- Frame and face bars are of high quality extruded aluminium profiled construction with the advantages of corrosion resistance and rigidity.
- Horizontal face bars with 1-°15 ,°0 way throw and 2-°15 way throw are fixed rigidly to the frame with 10 mm pipes.
- Vertical aluminium aerofoil blades are fixed at the rear side of the frame by nylon bushes. These blades can be adjusted manually and individually in the vertical plane to obtain optimum air distribution.
- For perfect unbroken appearance of continuous runs, alignment strips are provided with no additional cost.
- Total structure is manufactured by mechanical assembly, assuring rigidity and to maintain straight line appearance.
- Supplied with C-clamps for concealed fixing.



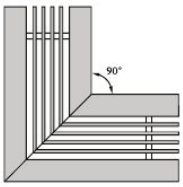
STANDARD FINISHES AND MITERED OPTIONS

Standard finishes:

- Natural anodized aluminum finish.
- Powder coated colour finish as per RAL colour codes.
- Flexibility of finishing is available as option.

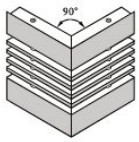
Optional mitered corners

Standard °90 horizontal mitered corner available for floor, sill and ceiling applications in ,1-°15 and 2-°15 way throw without damper.



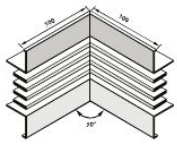
3a) 90° Horizontal

Vertical outside mitered corners are available for wall application at the junction of two outside walls with a standard angle of °90. Available in , -°15 and 2-°15 way throw without damper.



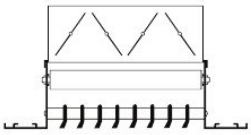
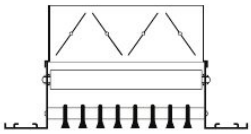
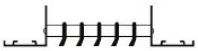
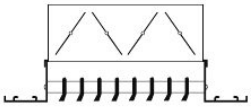
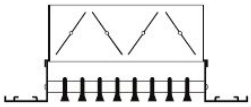
3c) 90°V ertical outside

Special horizontal mitered corner selection available for floor, sill and ceiling applications includes an angle greater than °90 and less than °180 available in , 1-°15 and 2-°15 way throw without damper.



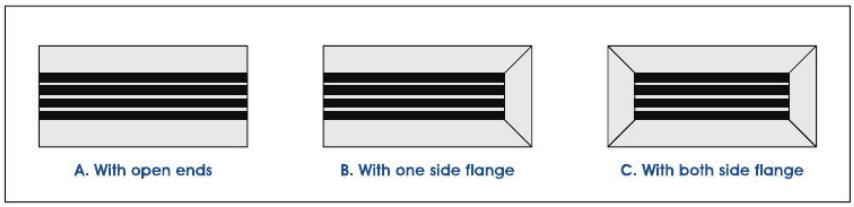
3d) 90°Vertical inside

STANDARD FINISHES AND MITERED OPTIONS

MODEL	15° one way	15° two way
DFSLG		
DFSLR		
DFRLG		
DFRLR		

ACCESSORIES AND FIXING DETAILS

ACCESSORIES:
END FLANGES:



FIXING DETAILS:
C-Clamp fixing:

