

MACKINNON & BAILEY

MANUFACTURERS OF HARDWARE & VENTILATORS

SINCE 1909

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(LBR/ LBRD) Linear Bar Grille

Product Overview

Linear Bar Grille zero deg blade linear supply grilles suitable for duct, ceiling and sidewall applications in most commercial projects. When fitted with an opposed blade damper at the rear they become series LBRA with the damper being adjustable through the front face of the grille.

Construction

Frames and blades are manufactured from 6063 T6 extruded aluminium. Frame mitres are mechanically jointed and tig welded on the rear and neck for added strength and rigidity preventing any distortion of the hairline mitres. Grille blades are set at 12.5mm centres, mounted horizontally in the frame. Where continuous appearance is required, the grille can be manufactured in sections for alignment and assembly on site, please enquire.

Size Range

100 x 50mm to 3000 x 500mm nominal size in 50mm increments. Special sizes and multiple units are available on a made to order basis. Please enquire for details. Please enquire for details.

Fixing Options

S - Pre-punched countersunk

C - Concealed fixing

R - Rear bracket fixing

Finish

Mill Finish as standard

A comprehensive range of polyester powder coat colours available on request.

Accessories

Opposed blade damper (OBD)

Neck Reducers

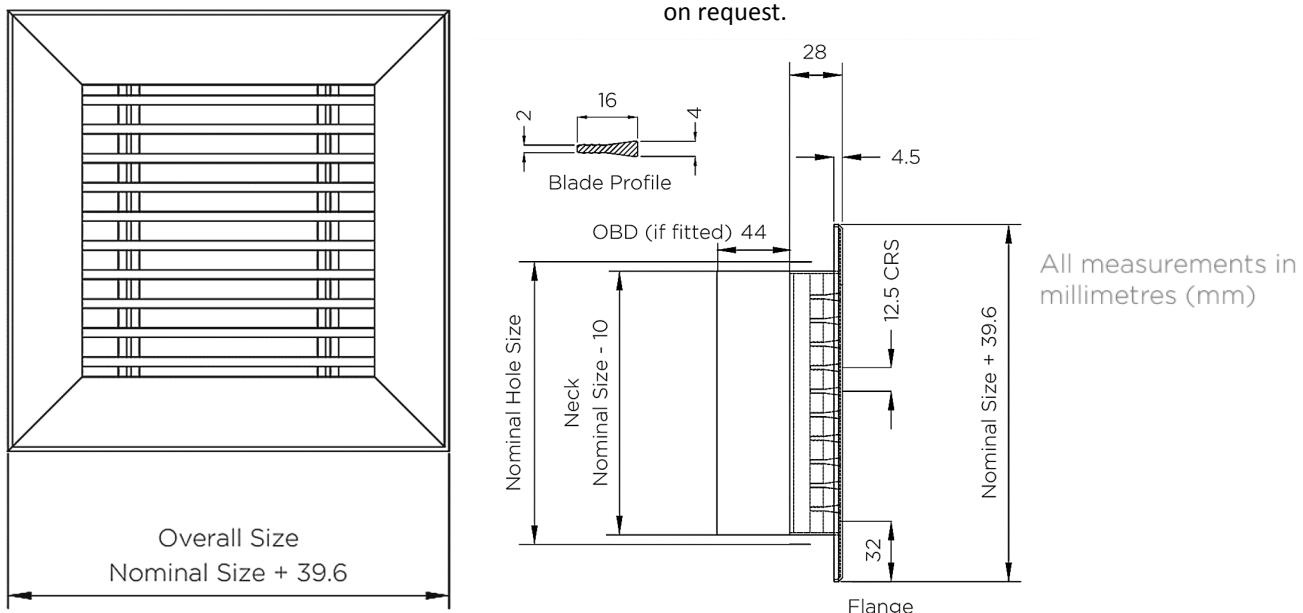
Plenum boxes

Special Requirements

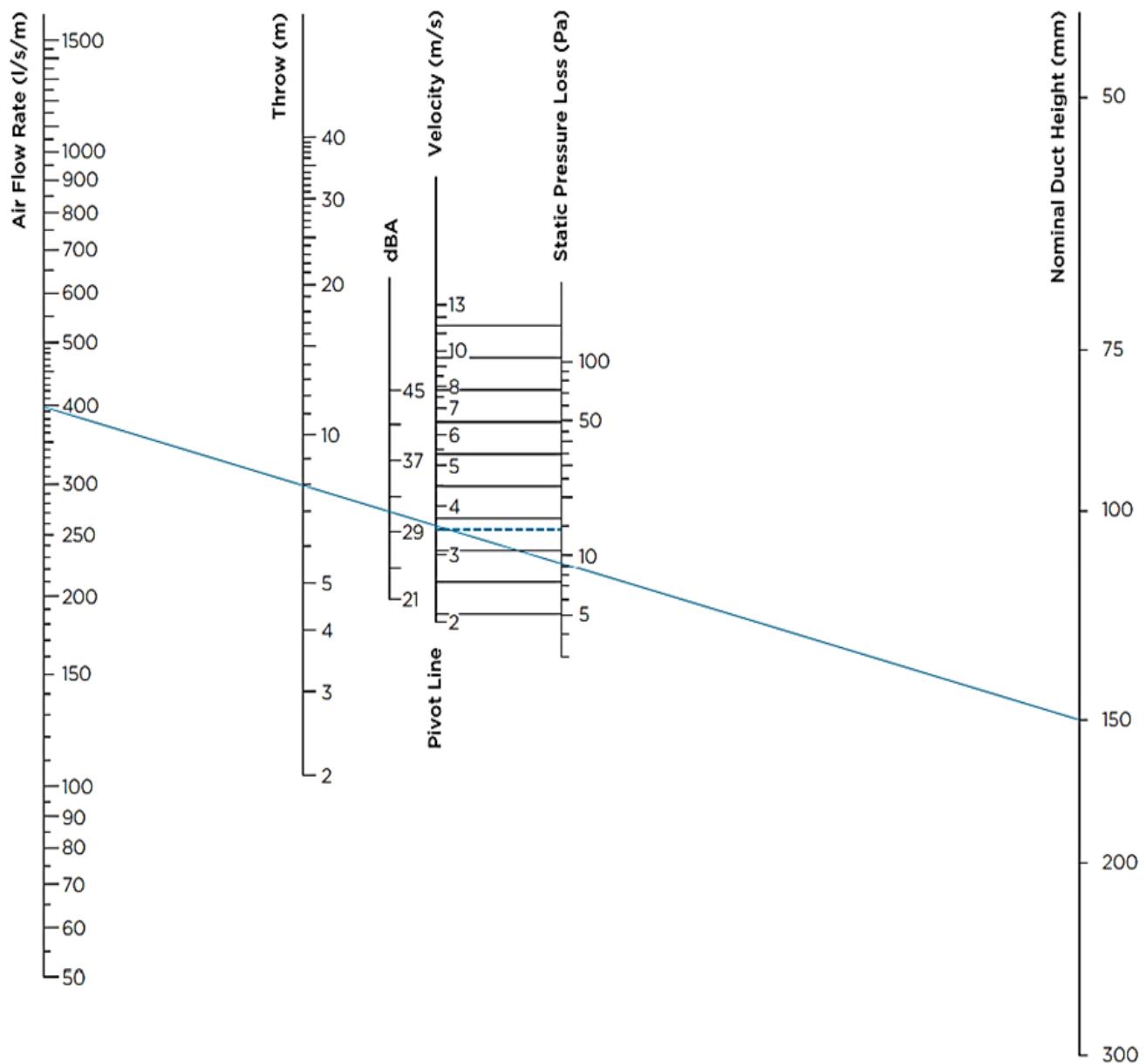
Where continuous appearance is required, the grille can be manufactured in sections for alignment and assembly on site, please enquire.

Standard Fixing

Grilles are supplied without flange holes as standard but can be included on request. Alternative fixing methods such as concealed or rear bracket fixings are also available on request.



Selection Nomograms



All data based on:

- *10°C cooling differential
- *Terminal velocity 0.4m/s @ stated throw
- *Grilles mounted within 400mm of ceiling > 400mm reduce throw by 1/3
- *dBA figures based on 6 db room losses
- *For grilles with dampers Pa + 50%