



## 19mm Tube Aluminium Rolling Grilles Heavy Duty Commercial

### Applications

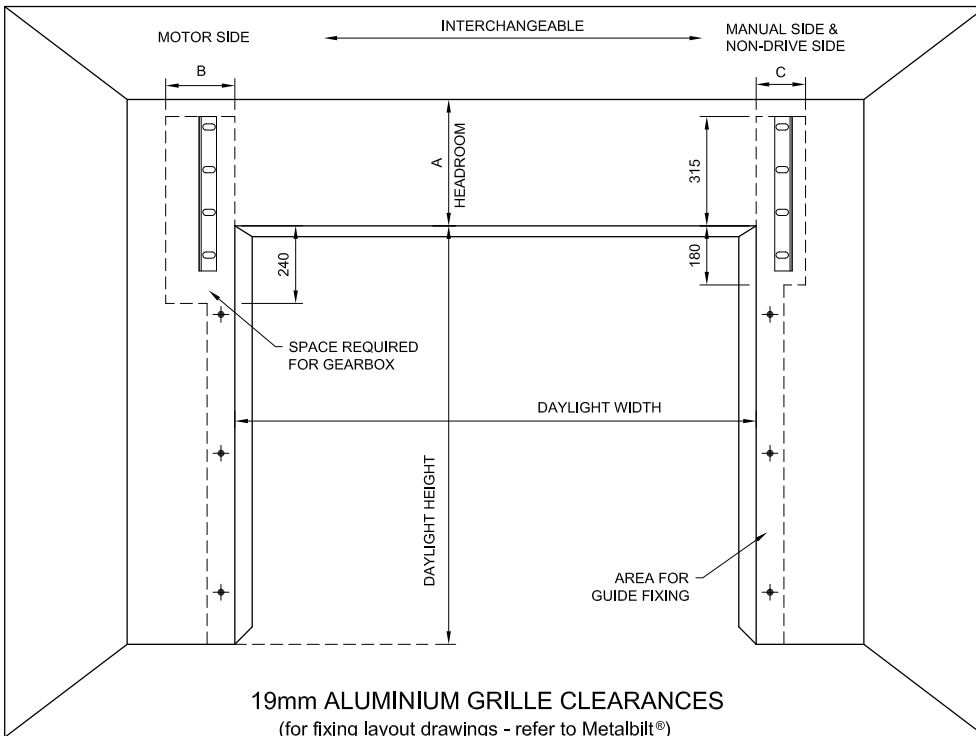
Car parks, shop fronts, large pedestrian openings or anywhere that requires a robust barrier with an attractive appearance.

### Features

- Curtains are constructed from individual 19mm diameter aluminium tubes connected with extruded aluminium links
- Captive guide system fitted with a polypropylene pile insert to prevent metal to metal contact
- Operation by motorised gearbox drive or manual hand chain
- Fixed or removable mullions are available for overwidth openings
- An extensive range of powder coating colours can be offered
- Grilles are custom made to fit the size of opening and structure of building
- Sales Asia Oceania wide
- Branches in Auckland, Wellington and Christchurch

*55 years of manufacturing experience and continuous refinement.  
Service and repairs, 24 hours a day, on all makes of commercial doors.*

# 19mm Tube Aluminium Rolling Grilles Heavy Duty Commercial



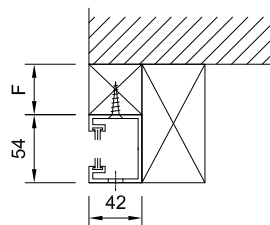
**19mm ALUMINIUM GRILLE CLEARANCES**  
(for fixing layout drawings - refer to Metalbilt®)

HEIGHT OF OPENING (m)	HEADROOM A	SIDEROOM Motor side B	SIDEROOM Non-drive & manual C	INSIDE PROJECTION BARREL D	INSIDE PROJECTION MOTOR* E	GUIDE PACKER SIZE F
0 - 2.0	420	215	145	400	550	0
2.0 - 3.0	450	215	145	420	580	40
3.0 - 4.0 *	500	215	145	440	600	50
4.0 - 5.0	550	215	145	470	600	50

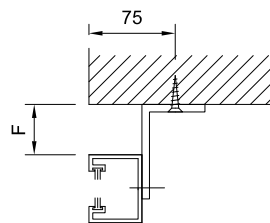
\* Additional projection maybe required with non standard motorising  
Openings up to 30m<sup>2</sup> can be accommodated

## GUIDE DETAILS

Packer by others (to lintel only)



BACK OR SIDE FIX



75x50 ANGLE OPTION

## CURTAIN

Assembled from 19mm Aluminium Tubes at a nominal vertical pitch of 75mm joined by 35mm wide extruded aluminium links spaced at 500mm. Every 6th rod has a retaining plug secured to each end to retain the curtain within the guide section. The tubes and links can be replaced individually if damaged.

Fitted to the lower edge of the curtain is an 100x25mm extruded aluminium box section bottom bar.

To enhance security the curtains are provided with Metalbilt®'s Lifting Deterrent Mechanism.

## CAPTIVE GUIDES

Constructed from extruded aluminum with a retaining nib and fitted with a continuous silicon treated polypropylene pile insert to prevent metal to metal contact.

## FINISH

Clear anodised or powder coated.

## BARREL

Grille barrels are fabricated from mild steel tube with a minimum diameter of 165mm and of sufficient wall thickness to ensure that nominal deflection does not exceed safe working conditions. Helically wound counterbalance springs are contained within the barrel.

## ELECTRICAL OPERATION

The compact motorising units are powered by a 3 phase 0.37kW electric motor, driving an enclosed worm gearbox with chain reduction to the shutter barrel. Assemblies are supplied complete with reversing starter and limit switches. Operating speed is approximately 200mm per second. Single phase or manual operation can be specified.

## HIGH CYCLE OPERATION

Designed for use in carparks the grilles are supplied with a 3 phase brake motor and TER limit switch, nylon bushes on the end of each tube, steel bellmouthsupport and steel pipe barrel. Door controllers that accept signals from a range of electronic and electrical equipment are also available. Special motorising options and barrel mounting methods are available on request.

**Standard doors meet the 5 year durability requirements of the N.Z.B.C. Details available on request.**

We reserve the right to alter specification without notice and without incurring obligation.

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