

# Aluminium Roller Shutters

## METALBILT SHUTTERS

### Attractive aluminium shutters in clear vision or solid aluminium.

Quality aluminium roller shutter doors in an attractive design, Metalbilt's choice of three aluminium shutters will ensure you get the right look for your needs.

#### OVERVIEW

These aluminium roller shutter doors offer superior security, privacy, and protection against the elements, making them ideal for a wide range of applications.

Available with clear vision, vented or as a solid aluminium shutter where vision is not required.

#### APPLICATIONS

Aluminium shutters are ideal for projects where a high level of strength, visibility and finish is required including:

- Bar tops
- Counter tops
- Shopfronts
- Pedestrian openings
- Arcades
- Storage Facilities

#### SIZE

##### Solid or clear vision aluminium size:

Maximum width – 5.75 metres  
Maximum height – 5 metres

**Slot sizing:** 42.5mm x 225mm at 300mm centres

##### Series 3 aluminium size:

Maximum width – 8 metres  
Maximum height – 6 metres  
Maximum opening – 45m<sup>2</sup>

**Slot sizing:** 42.5mm x 225mm

# Technical Specifications

## SPECIFICATIONS

### Aluminium Roller Shutter Standard Specifications

**Curtain:** Assembled from extruded aluminium interlocking sections. Slats may be punched for ventilation, or to accept a continuous clear UV resistant acrylic vision panel. Each alternate slat is fitted with a nylon end lock to control lateral movement. Slats can be replaced individually, if damaged.

**Bottom bar:** Fitted to the lower edge of the curtain is an extruded aluminium bottom bar.

**Guides:** Specially extruded aluminium channel 40mm x 30mm. Guides screwed to jambs with a maximum 600mm centres.

**Barrel:** Barrels are fabricated from mild steel tube with a minimum diameter of 165mm. Helically wound counterbalance springs are contained within the barrel.

**Security:** Flush mounted lock with various keying options.

**Operation:** Spring balanced or motorised. Motorised grilles have a single phase low cycle motorising (LCM) with adjustable limit switches and control pendant. Operating speed is approx. 200mm per second.

#### Optional extras:

- Battery back up system
- Low side room option for tight installations
- Fixed and removable mullion options available
- Key switches and door controllers that accept signals from a range of activation features
- Special motorising options and barrel mounting methods

### Series 3 Aluminium Roller Shutter Standard Specifications

**Curtain:** Solid extruded aluminium interlocking heavy duty sections with a vertical pitch of 90mm. Slats may be punched for ventilation, or to accept a continuous clear UV resistant acrylic vision panel. Each alternate slat is fitted with a nylon end lock to control lateral movement. Slats can be replaced individually, if damaged.

**Bottom bar:** Fitted to the lower edge of the curtain is an extruded aluminium bottom bar.

**Captive guides:** Constructed from extruded aluminium with retaining nib and fitted with a continuous polypropylene insert to prevent metal on metal contact.

**Barrel:** Manufactured from 165mm steel tube attached to self lubricating bearings rotating on a 35mm steel shaft. The shaft shall be fitted with helical springs designed to counterbalance the curtain weight throughout its operation.

**Security:** Doors are generally motorised, but can be fitted with standard two point locking.

**Manual operation:** Manual operation is by hand chain.

**Electrical operation:** Standard three or single phase 0.37kW GB motorising with enclosed worm gearbox. Complete with reversing starter or door controller. Standard speed of operation is approx. 200mm per second.

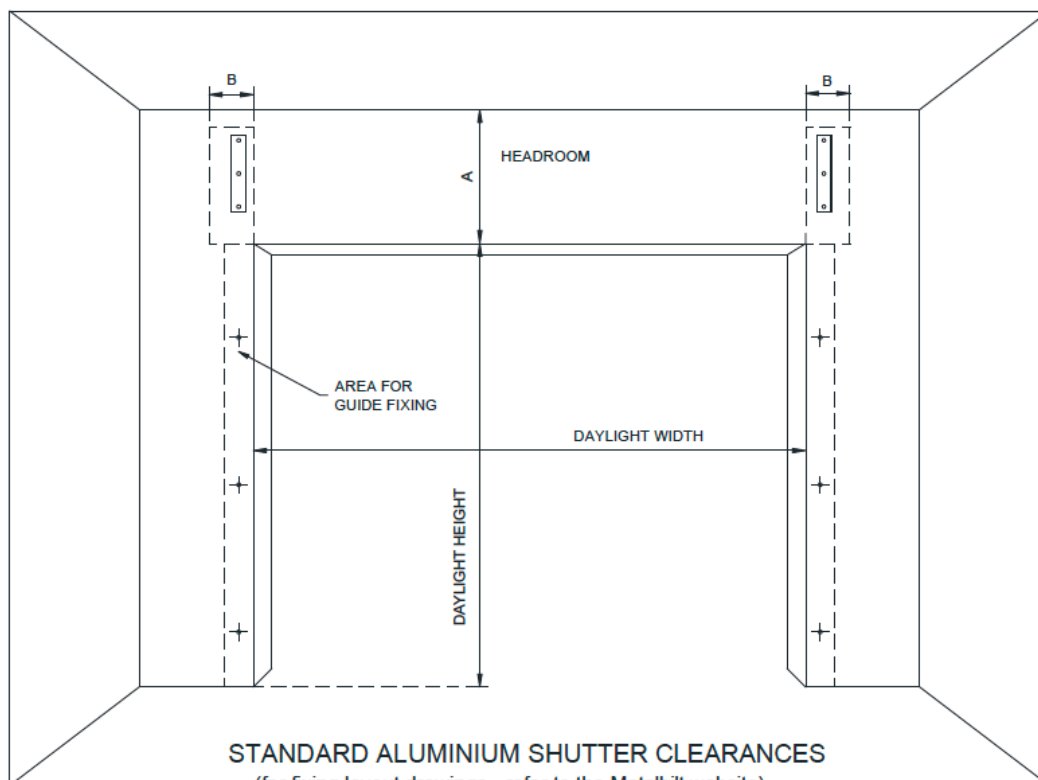
#### Optional extras:

- Battery back up system
- Low side room option for tight installations
- Fixed and removable mullion options available
- Key switches and door controllers that accept signals from a range of activation features
- Special motorising options and barrel mounting methods

## FINISH

Clear anodised or powder-coated

# Clearances and Specifications



## STANDARD ALUMINIUM SHUTTER CLEARANCES

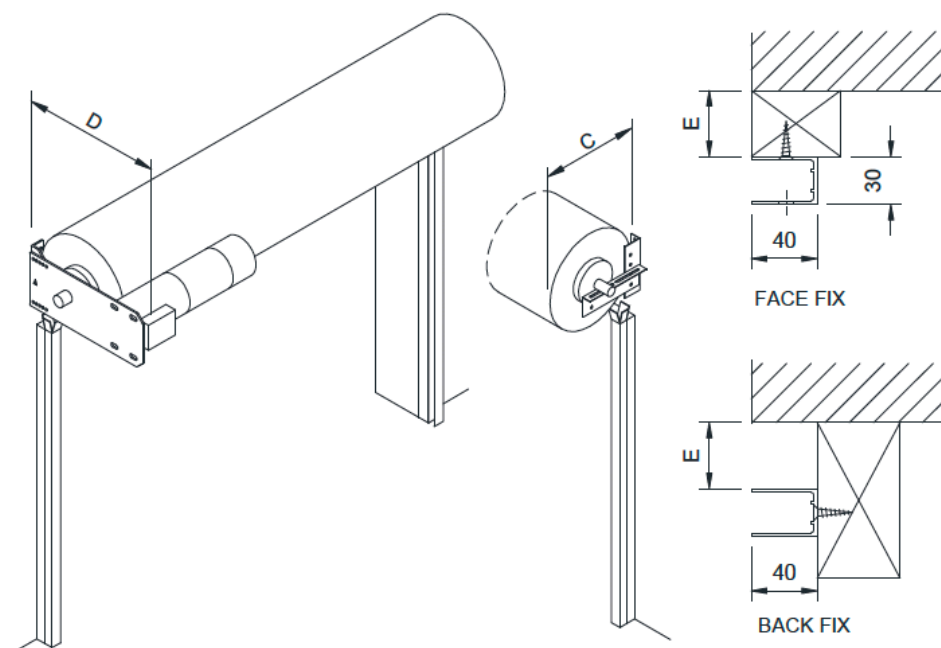
(for fixing layout drawings - refer to the Metalbilt website)

HEIGHT OF OPENING	HEADROOM	SIDEROOM	INSIDE PROJECTION BARREL	INSIDE PROJECTION MOTOR	GUIDE PACKER SIZE
	A	B	C	D	E
0 - 1.25	355	120	315	605	0
1.25 - 2.0	385	120	350	620	0
2.0 - 3.0	405	120	360	620	40
3.0 - 4.0	435	120	390	635	50
4.0 - 5.0	465	120	420	650	50

For max sizes refer to the Security Grille and Shutter Selection Chart  
(Available on the Metalbilt website)

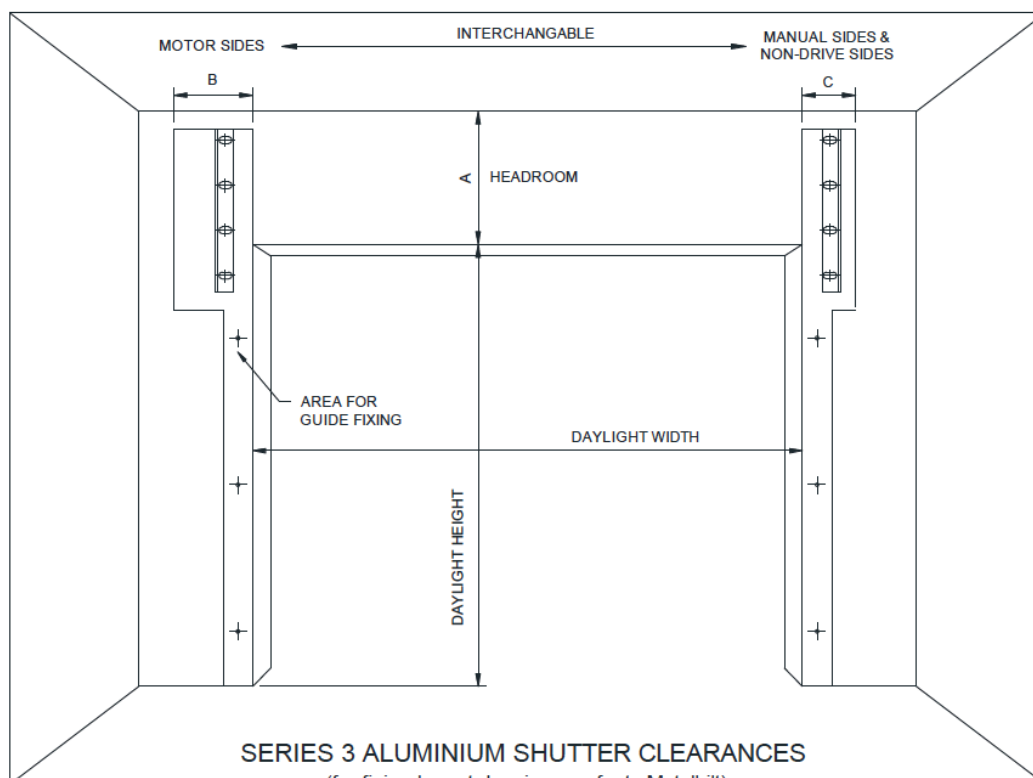
## GUIDE DETAILS

Packer by others (to lintel only)



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

# Clearances and Specifications



## SERIES 3 ALUMINIUM SHUTTER CLEARANCES

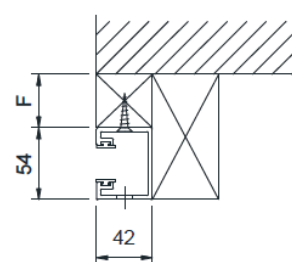
(for fixing layout drawings - refer to Metalbilt)

HEIGHT OF OPENING	HEADROOM	SIDEROOM Motor side	SIDEROOM Non-Drive & Manual	INSIDE PROJECTION MOTORISED	INSIDE PROJECTION MANUAL	GUIDE PACKER SIZE
	A	B	C	D	E	F
Up to 2.0m	450	215	145	550	375	0
Up to 3.0m	500	215	145	580	425	40
Up to 4.0m	525	215	145	600	460	50
Up to 5.0m	550	215	145	600	490	50

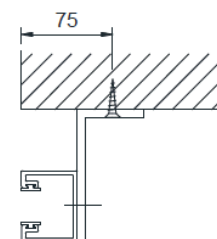
Additional projection may be required with non standard motorising  
For max sizes refer to the Security Grille and Shutter Selection Chart  
(Available on the Metalbilt website)

## GUIDE DETAILS

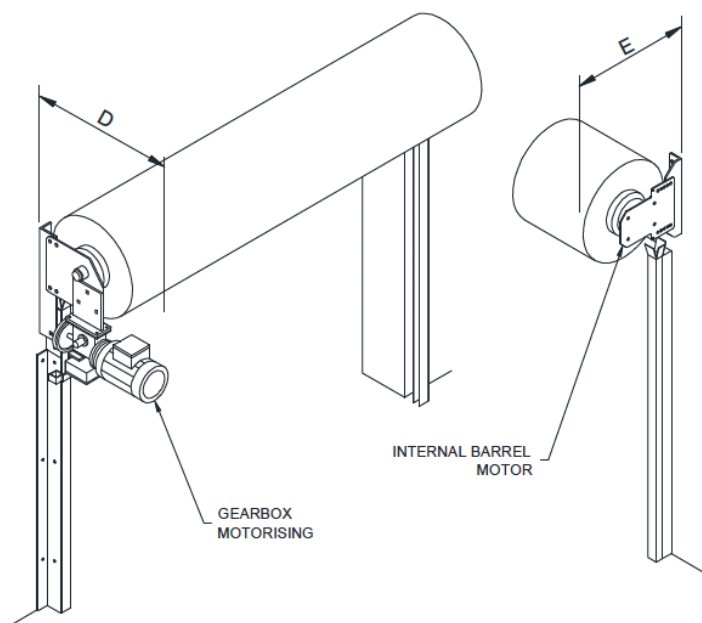
Packer by others (to lintel only)



BACK OR SIDE FIX



100x50 ANGLE OPTION



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## Projects

