

# Steel Roller Shutters

METALBILT SHUTTERS

## Strong and durable industrial steel roller shutters.

Metalbilt Steel Roller Shutters are an affordable and secure solution. These doors are engineered using the latest computer modelling techniques, providing a durable roller shutter for many commercial and industrial applications.

### OVERVIEW

- These roller shutters are made from roll formed interlocking steel slats for additional strength with the ability to replace each slat individually. Available in a range of finishes and colours and custom-made, the slat type door on these roller shutters makes them superior to continuous sheet type doors.
- Options for manual and motorised operation.
- Also available are wind-lock guides for areas exposed to excessive wind conditions.
- Fixed, sliding or hinged mullions and wicket gates also available on request.

### APPLICATIONS

Steel roller shutters are ideal for projects where strength and durability is required including:

- Factories
- Warehouses
- Carparks
- Shop fronts
- Industrial buildings

# Technical Specifications

## SPECIFICATIONS

**Curtain:** Assembled from roll formed, galvanised steel interlocked slats, each having an effective width of 100mm. Slats can be replaced individually if damaged.

**Bottom Bar:** Fitted to the lower edge of the curtain is an extruded aluminium bottom bar with a neoprene weather seal.

**Guides:** Constructed from roll formed galvanised steel. Standard guides have a depth of 50mm and fitted with formed bell mouths to accept the shutter curtain. Wind lock guides have a depth of 95mm and recommended for wider openings.

**Barrel:** Shutter barrels are fabricated from galvanised steel tube with a minimum diameter of 165mm. Helically wound counterbalance springs are contained within the barrel for ease of opening and increased safety.

**Manual Operation:** By hand chain, driving steel sprockets and 12.7mm pitch roller chain connected to a spring assisted barrel.

**Electrical Operation:** Compact motorising units are powered by a three phase 0.37kW electric motor, driving an enclosed worm gearbox with chain reduction to the shutter barrel. Supplied complete with reversing starter and limit switches. Standard speed of operation is approx. 185mm per second.

### Optional Extras:

- Low side room and overhead motorising options
- Vented and perforated curtains
- Hinged and sliding mullions
- Wicket gates

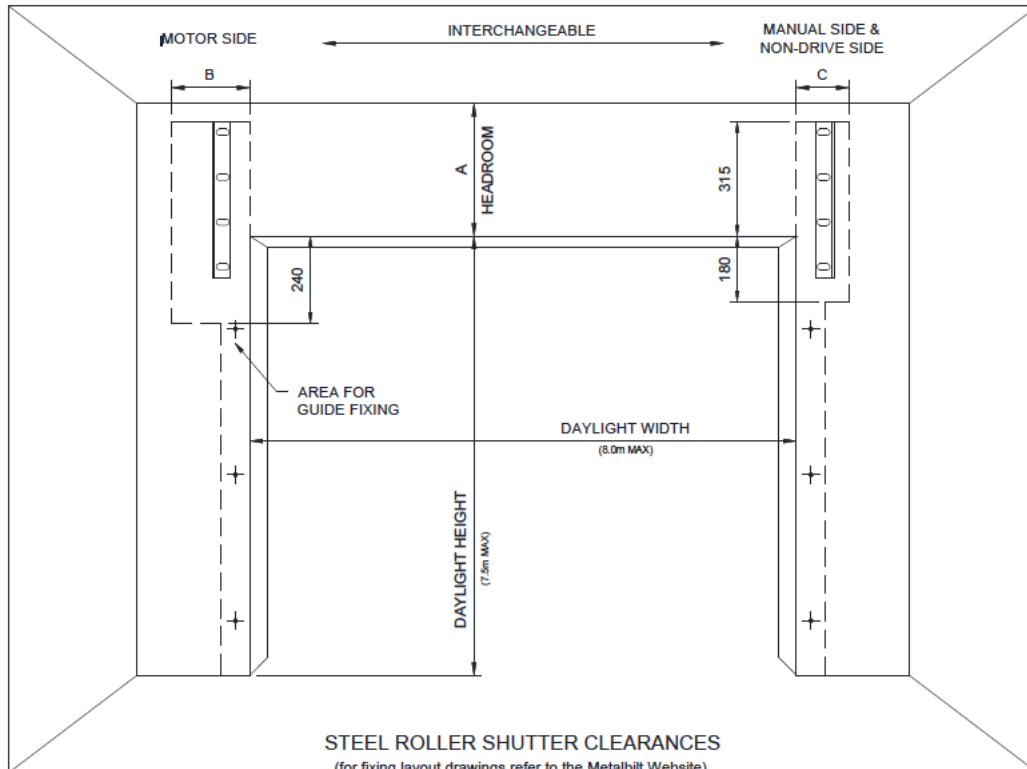
## SIZE

- Maximum width – 8 metres
- Maximum height – 7 metres
- Maximum opening – 45m<sup>2</sup>

## FINISH

Standard cold rolled galvanised or powder-coated.

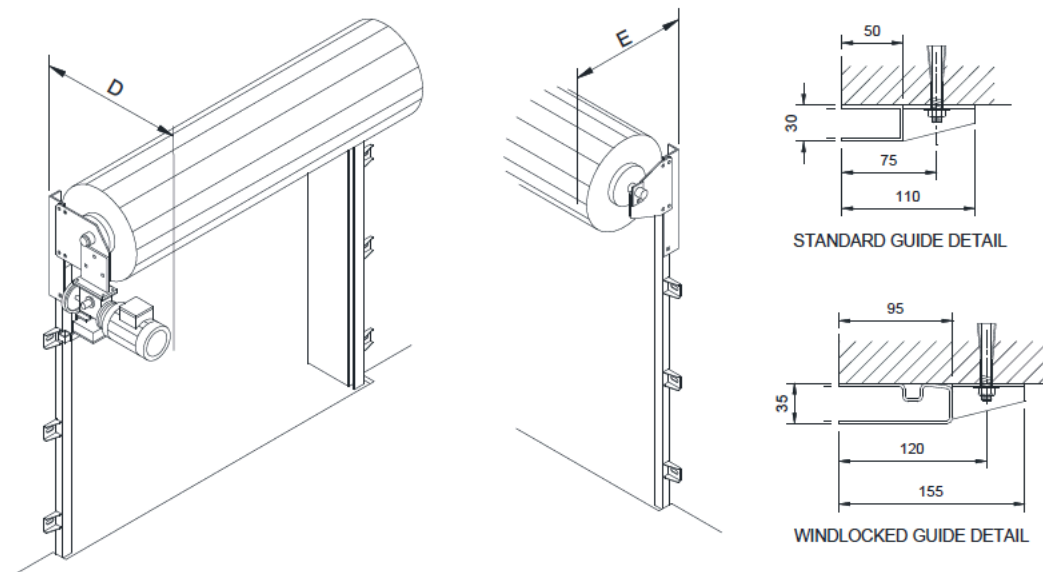
# Clearances and Specifications



STEEL ROLLER SHUTTER CLEARANCES  
(for fixing layout drawings refer to the Metalbilt Website)

HEIGHT OF OPENING	HEADROOM <sub>1</sub>	SIDEROOM <sub>2</sub>				INSIDE PROJECTION MOTOR <sub>3</sub>	INSIDE PROJECTION BARREL	INSIDE PROJECTION MANUAL HANDCHAIN
		STANDARD GUIDES		WINDLOCK GUIDES				
		Motor	Non-Drive & Manual	Motor	Non-Drive & Manual			
(m)	A	B	C	B	C	D	E	E
0 - 4.0	450	215	145	260	190	600	360	430
4.0 - 4.5	450	215	145	260	190	600	370	N/A
4.5 - 5.0	465	215	145	260	190	600	385	N/A
5.0 - 6.0	475	215	145	260	190	600	400	N/A
6.0 - 7.0	600	310	180	350	310	630	430	N/A

Note 1: Extra headroom required for mullion doors  
 Note 2: Doors over 45m<sup>2</sup> require greater sideroom  
 Note 3: Additional projection may be required with non standard motorising  
 For max sizes refer to the Steel Roller Shutter Selection Chart  
 (Available on the Metalbilt website)



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

# Projects

