



METALBILT® STEEL ROLLER SHUTTERS

FIXING INSTRUCTIONS FOR

INTERNAL BARREL MOTORISING (IBM)

(instructions to remain on site with the door for future reference)

Metalbilt® Roller Shutters are manufactured to suit each particular opening. To get full efficiency from this mechanical 'door' it must be installed carefully and correctly.

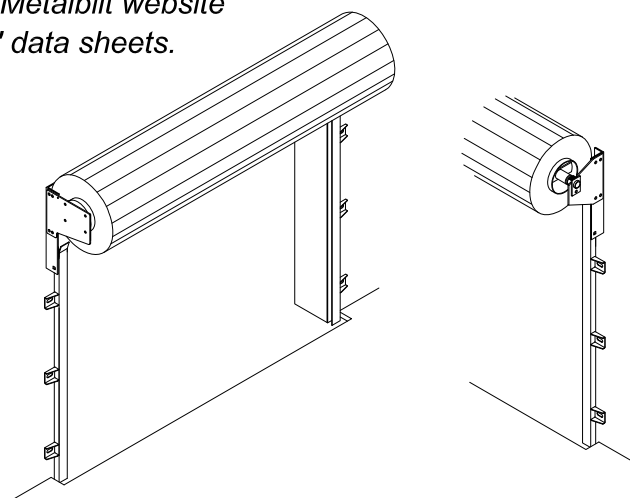
Read the full instructions before starting installation.

For Bolt Fixings Refer to:-

'Roller Shutter Wall Clearances and Fixings Details' data sheets.

- IBM Roller Shutters - Standard Guides.....Sheets (S1-S) & (S2-S)
- IBM Roller Shutters - Windlock Guides.....Sheets (S3-W) & (S4-W)

*Refer to the 'Technical Data' pages on the Metalbilt website
for 'Wall Clearance and Fixings Details' data sheets.*



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www.metalbilt.co.nz

FIXING INSTRUCTIONS FOR INTERNAL BARREL MOTORISED ROLLER SHUTTER DOORS

1. Unpack Shutter

Important

- (a) Do not cut straps binding the curtain until after spring tensioning (Step 10).
- (b) Check for damage in transit. The consignee should initially claim against the carrier. If this claim is declined, then damage should be reported immediately to Metalbilt Doors.

2. Measure the Slat Length of the Roller Shutter you are Installing.

The Slat Length SHOULD measure:-
Daylight Width of Opening + 82mm.
 A Tolerance of $\pm 2.5\text{mm}$ is allowed for.
 If a greater variance exists, the guides will have to be set in or out accordingly.

3. A level datum must be established. This may be done at the lintel using a level of adequate length. (Fig 1.) (or stringline)

4. Check that both jambs are the same height (use a guide as a measuring stick). If necessary, adjust guide length, floor height or fixing height so that the top of the guides are level with each other.

5. Fix guides to the jambs. Mark off the hole centres using the guides as a template. Ensure the guides are positioned flush with the opening (or at the manufactured opening width, if this differs from the site opening width) parallel and plumb.

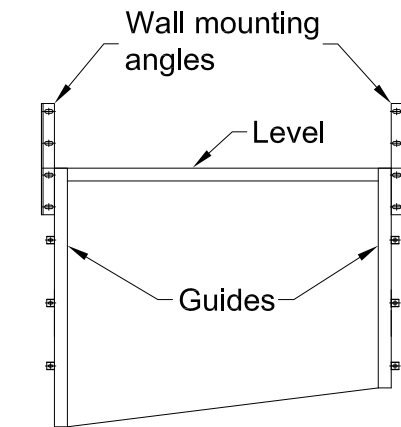


Fig. 1

For concrete jambs

M12 x 70 Dynabolts for wall mounting angles.
 M10 x 60 Dynabolts for guides (Fig.2)

For timber jambs

M12 x 100 Coachscrews for wall mounting angles (through-bolt if necessary)
 M10 x 75 Coachscrews for guides.(Fig.2).

For steel jambs

Bolt to jamb tabs (if provided) or weld guides to steel at 600mm crs (Fig.3).

Note: 3 fixings through each wall mounting angle will be sufficient in most cases.

Fit M10 washers at each tab.

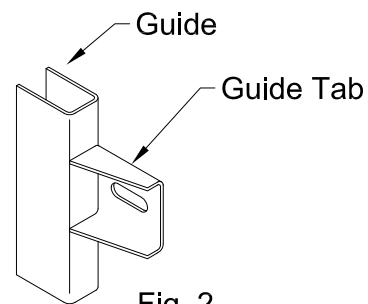


Fig. 2

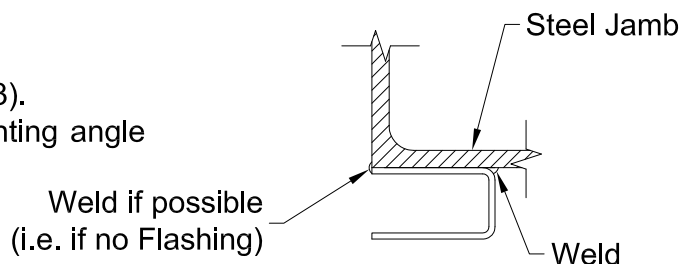


Fig. 3

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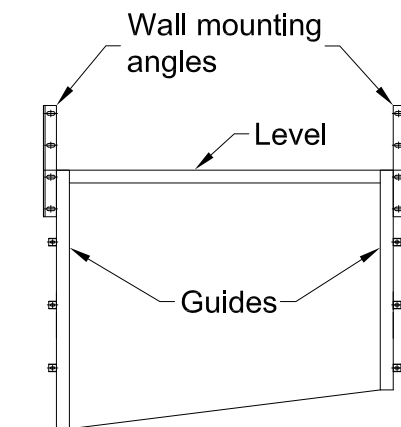


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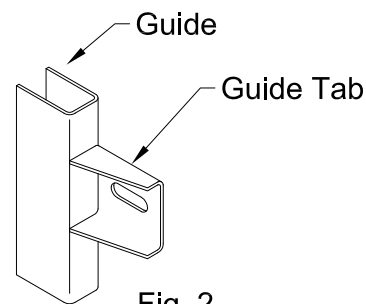


Fig. 2

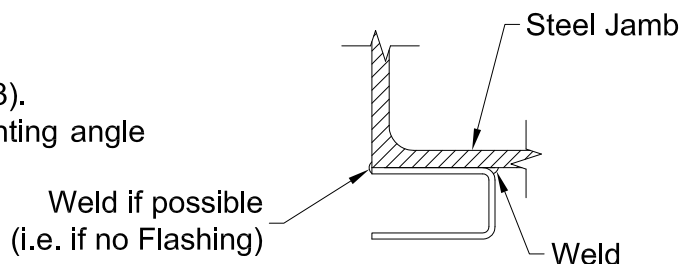
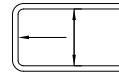


Fig. 3

14. When the curtain is running smoothly lubricate the guides with general purpose grease. (Fig.8)



Standard Guide

(Grease guides in areas shown)

Fig. 8

LIMIT SWITCH SETTING -

- Open the covers of the limit switches and set the top and bottom limit handles to the neutral position. (Fig. 9).
- Raise the shutter to the required height, stop the shutter and immediately switch the top limit handle to its working position.
- Lower the shutter to the required height, stop the shutter and immediately switch the bottom limit handle to its working position. Both limits have now been set.
- Raise and lower the shutter to ensure that both limits have been set correctly, if so, close the cover board, if not repeat previous steps.

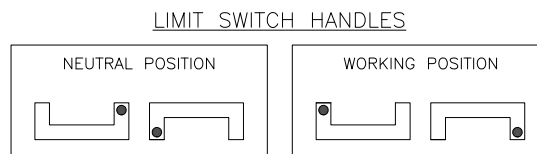


Fig. 9

