



Rollerdor

THE ROLLER GARAGE DOOR SPECIALISTS

Garage Door Technical Information

Edition 2022/01



DIMENSIONS

Top box width - RD55 is 205mm / RD77 is 300mm

Top box height - RD55 is 205mm / RD77 is 300mm

Guide runners width - RD55 is 65mm each side / RD77 is 95mm each side

Guide runners depth - RD55 is 28mm each side / RD77 is 35mm each side

For all roller garage doors, when they're fully opened the final slat, known as the base rail, must stay in the guide runners. For this, allow 50mm when working out your walk-through height.



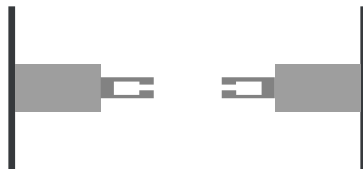
Standard Back Fixing

This is when the guide runners are installed to the back of the pillars on each side leaving you with the maximum drive through width available, for this you will need at least 65mm each side for the RD55 and at least 95mm each side for the RD77.



In Between Fixing

For this the guide runners are installed into the opening, for this you will need to use the smallest of your measurements as the door must be smaller than the hole to fit, we remove an additional 5mm when making calculations for the final door width over guides, but if you feel you would like to take extra off to make sure it fits please do so from your open width provided.

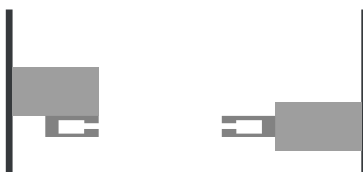


Limited Fixing

There are 2 reasons why you would choose this fixing;

1st is when you do not have the full width available for the guide runners to go as a standard back fixing, if you are limited by the returns then the measurement you write in is what you have available minus 5mm for example if you have 50mm left side and 50mm right side you would write 45mm in both left and right side in dimensions section.

2nd Reason is if you would like some of the guide runners protruding into the opening for sealing, rendering up to or cladding. for this you would take the amount you would like to protrude and minus this from the width of the guide runner for your chosen door, for example you require 25mm of the guide runner to protrude and it is an RD55 door so you would minus the 25mm from the total width of a guide runner, so the formula would be 65mm - 25mm = 40mm which you would right in both left and right side in dimensions section.



Back Between Fixing

This fixing is when you have a flat wall one side and a returning pillar the other but you still want to get the maximum width opening available, it makes no difference which side is the flat wall as the guides are universal but please remember your opening will be reduced by the width of 1 guide runner so for the RD55 it is 65mm and the RD77 is 95mm. When having this type of layout If you would prefer to keep a uniformed view from the outside then you could choose the in between fixing option and batten down the back of the returning pillar to leave 2 flat faces to fix to.



TOP BOX INSTALLATION OPTIONS

Below Lintel Fixing:

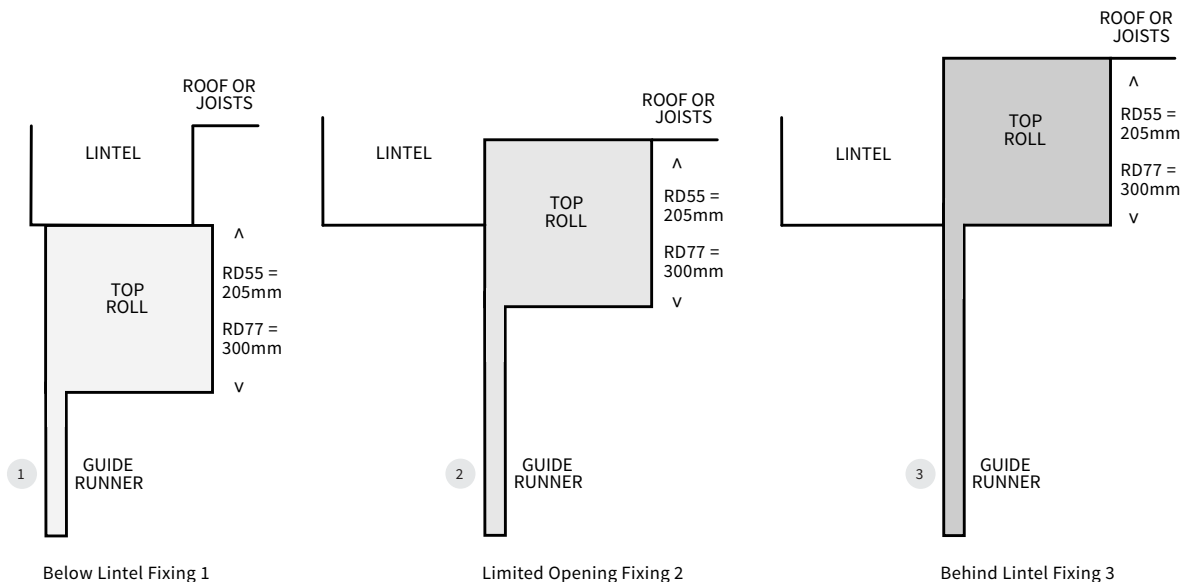
This is when the whole of the top box is installed below the lintel. For this, you will need to keep in mind that your walk-through height will be the total height minus the size of the top box with the base rail. For the base rail, we recommend allowing roughly 50mm for (RD55=255mm / RD77 = 350mm).

Limited Opening Fixing:

This is for when you have room behind your lintel for the top box, but not the full amount required. This would mean that your walk-through height would be as follows. Floor to lintel height plus lintel to roof joists minus the size of your top box with the base rail (which you should allow 50mm extra). An example of this for the RD55 is: height floor to lintel- 2000mm, bottom of the lintel to roof joists- 150mm, RD55 top box with base rail - 255mm. Therefore the formula would be, 2000mm + 150mm - 255mm = 1895mm.

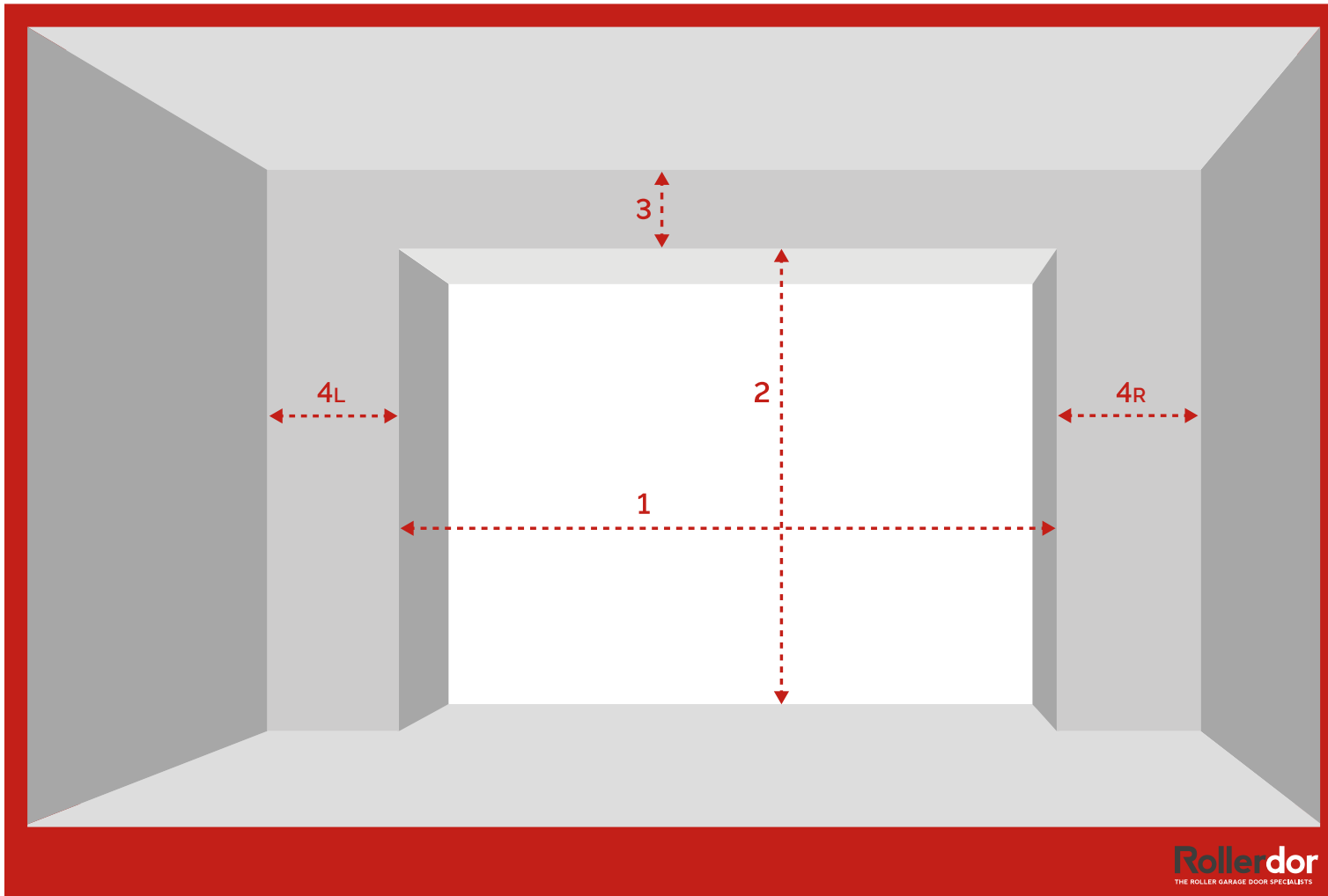
Behind Lintel Fixing:

This is when there is enough room for the top box to go totally behind the lintel (RD55 = 205mm / RD77 = 300mm) for this you will need to keep in mind that your walk through height will be effected by the base rail, which we say to allow roughly 50mm for as this has to stay in guide runners when the door is fully open.





MEASURING GUIDE



1 Opening Width mm

2 Opening Height mm

3 Headroom Height mm

4L Side Room mm

4R Side Room mm

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