



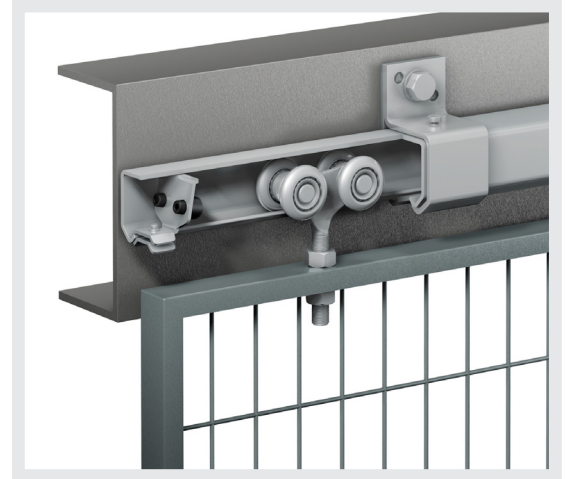
**runners**  
SLIDING SYSTEMS



# Industrial Series 50

Designed for commercial and agricultural applications such as warehousing, agricultural buildings, stables etc. The comprehensive range of hangers and components allows Series 50 to be used for many applications including overhead runway systems, partitions, sliding curtains and stabling blocks.

Series 50 includes a wide range of accessories for sliding and folding doors used for different types of application either residential or industrial.



## Key Features

- Suitable for panels up to 440kg
- Can be used for straight sliding or bi-folding applications
- Smooth movement when sliding the doors

## Benefits

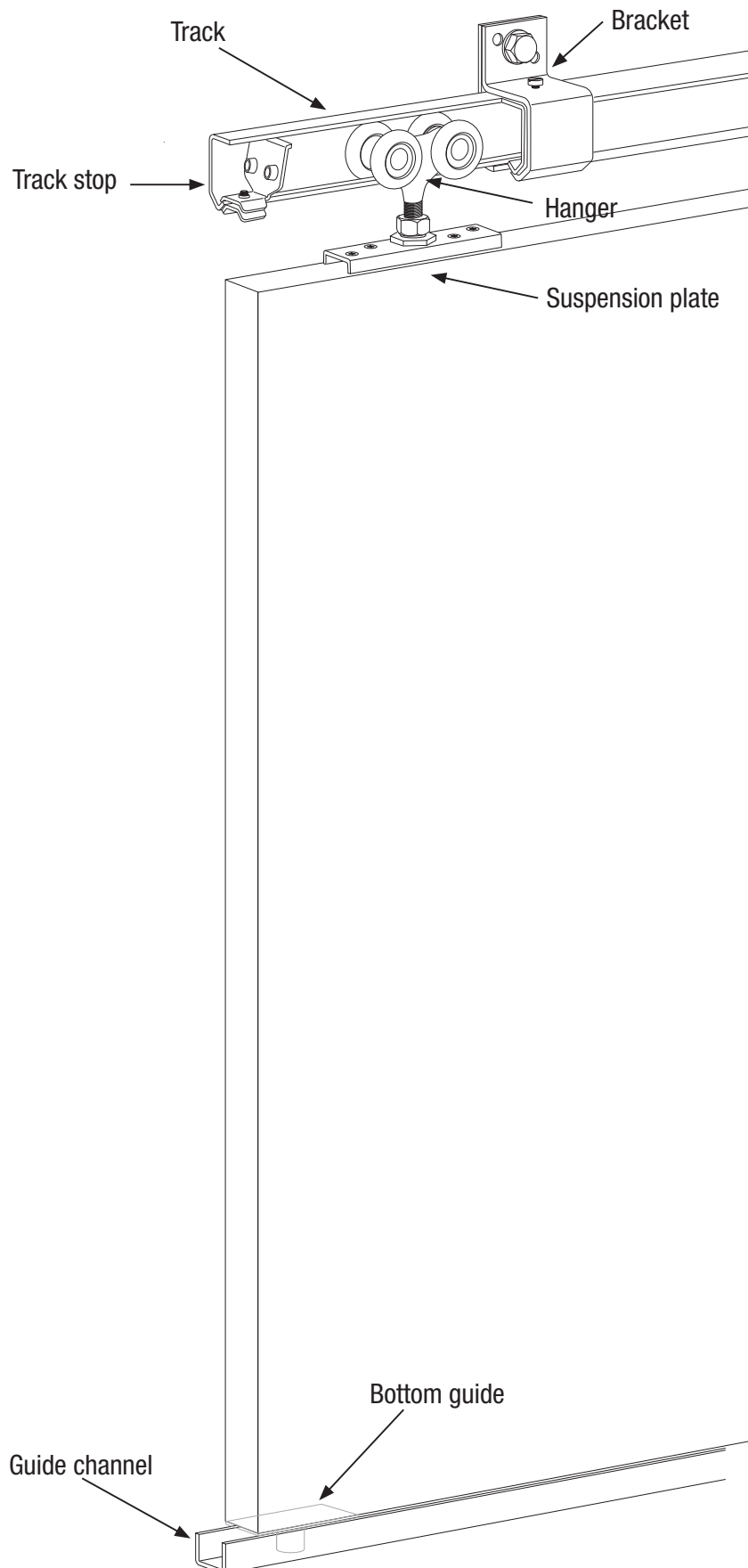
- Highest quality components
- Full technical support
- Easy to fit

# Industrial Series 50

Straight sliding door system for timber or metal doors

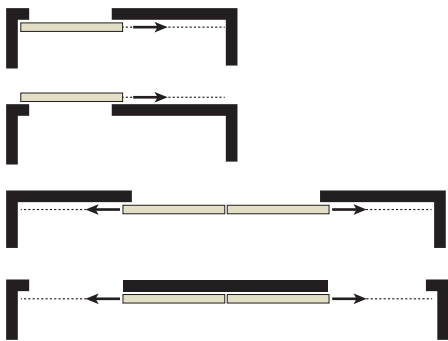
Series 50 straight sliding systems are suitable for timber or metal doors with a maximum panel weight up to 440kg when using two 220kg 4 wheel hangers per door. Capacity will be reduced accordingly if using lower capacity hangers from the Series 50 range. Components suitable for use with straight sliding systems are detailed below. Generally two hangers are used on each door panel.

When using upper track support brackets they should be fixed at a minimum of 600mm and a maximum of 1000mm spacing. Series 50 steel upper track is NOT pre-drilled and will require drilling for soffit fixing.

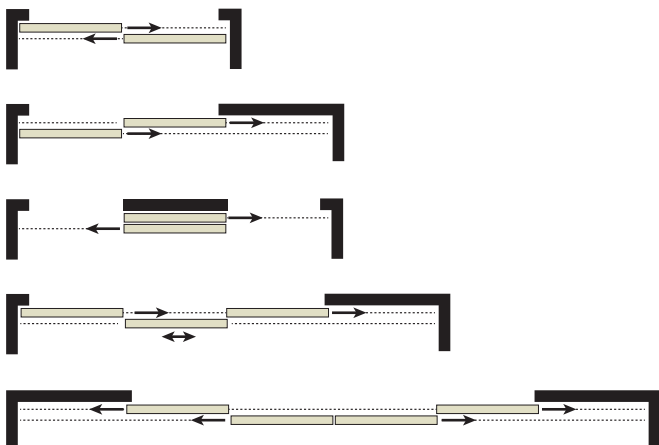


## Typical Panel Configurations

### Single track run

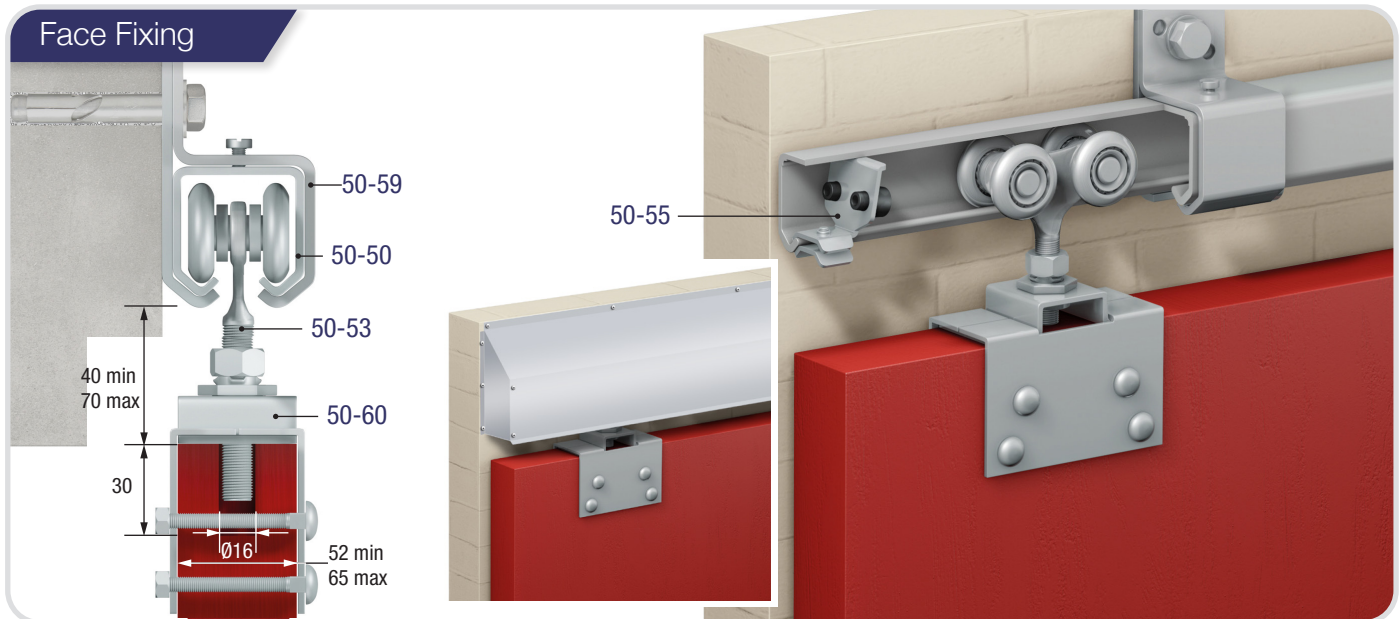


### Double track run

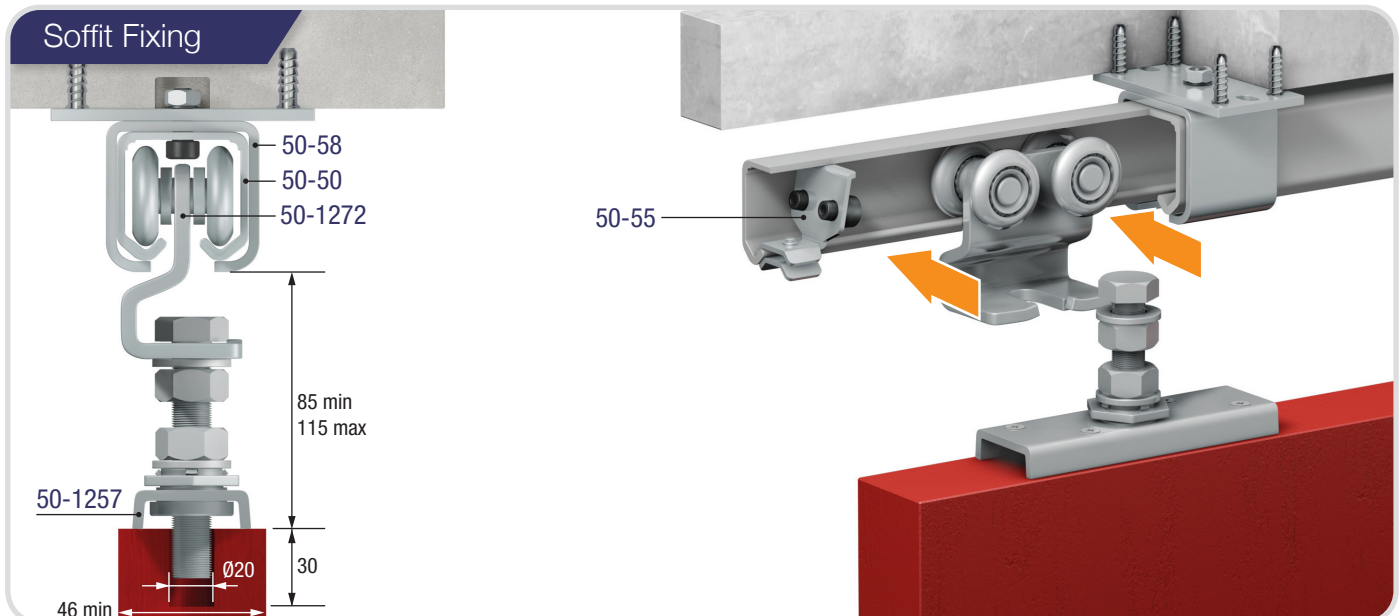


# Industrial Series 50

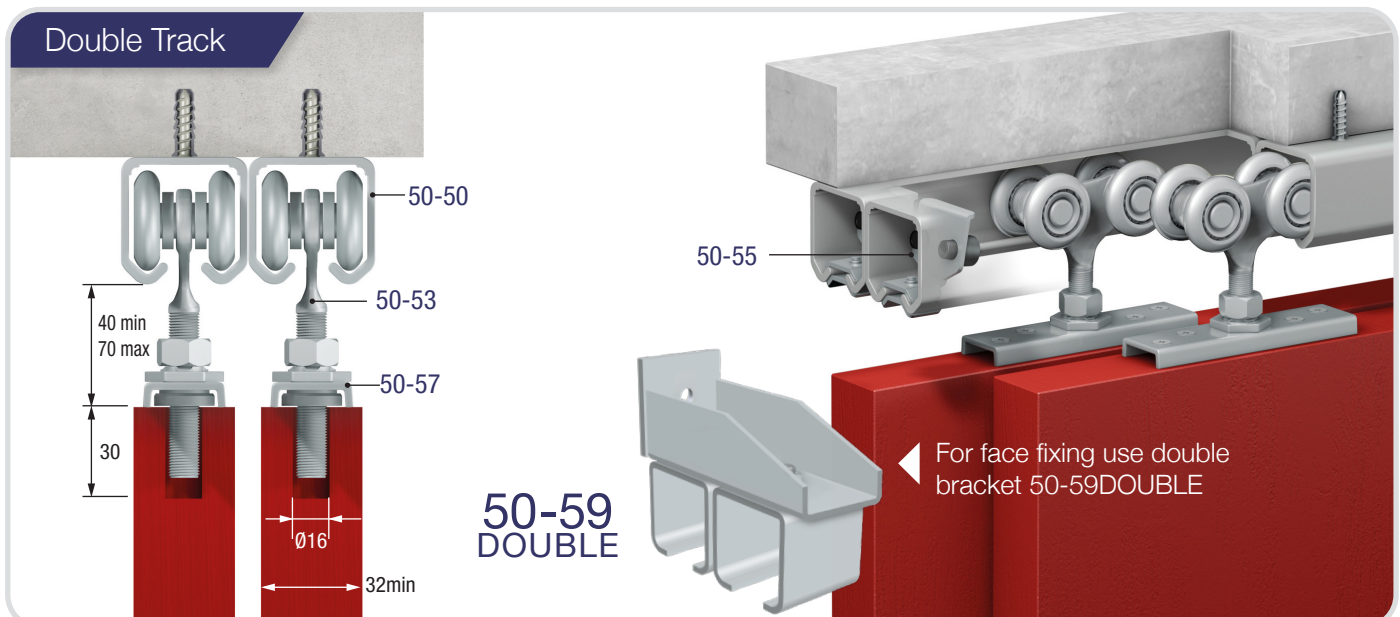
## Face Fixing



## Soffit Fixing



## Double Track

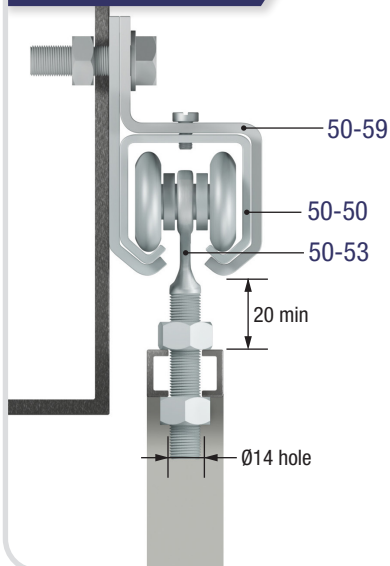




# Industrial Series 50

## Face Fixing

## Steel Doors

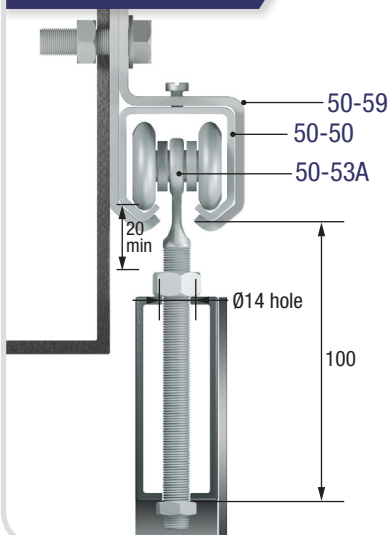


50-55

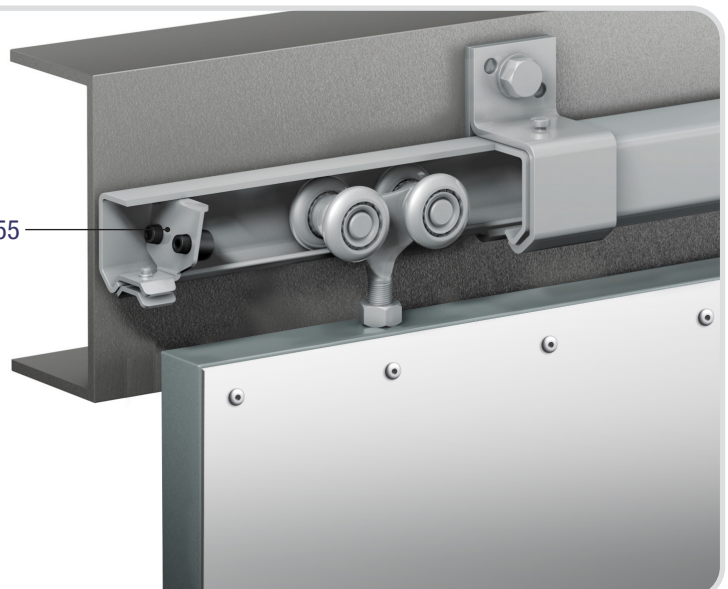


## Face Fixing

## Steel Doors



50-55



## Bottom Guide Options

Typical bottom guide configurations for sliding systems (suggestions only).

A. Guide roller fixed to floor with under guide channel recessed into door bottom.

B. Screw mounted guide roller fixed to door with under guide channel recessed into floor.

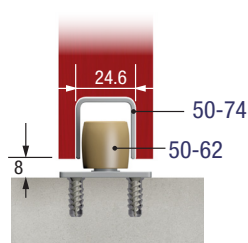
C. Guide channel fitted to door bottom with guide roller fixed to floor.

D. Double doors configurations are easily installed using double runs of under guide channel 50-74 and suitable guides.

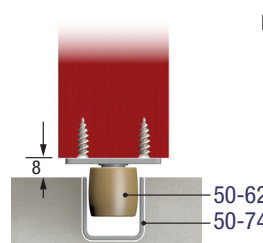
E. Bottom guide 50-76 used with angle steel, which can also act as a weather strip.

F. T-section metal bar fitted to door underside and used with bottom guide 50-76.

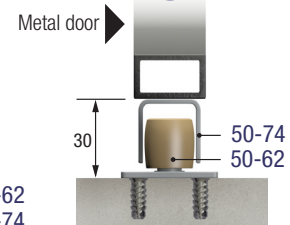
A



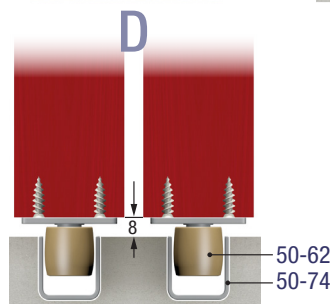
B



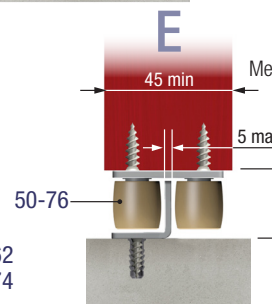
C



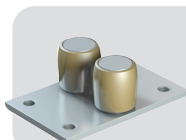
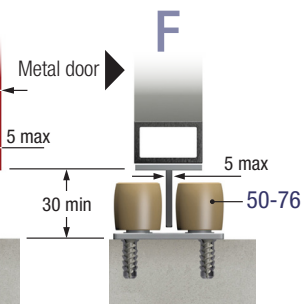
D



E



F



Other bottom guide options available.

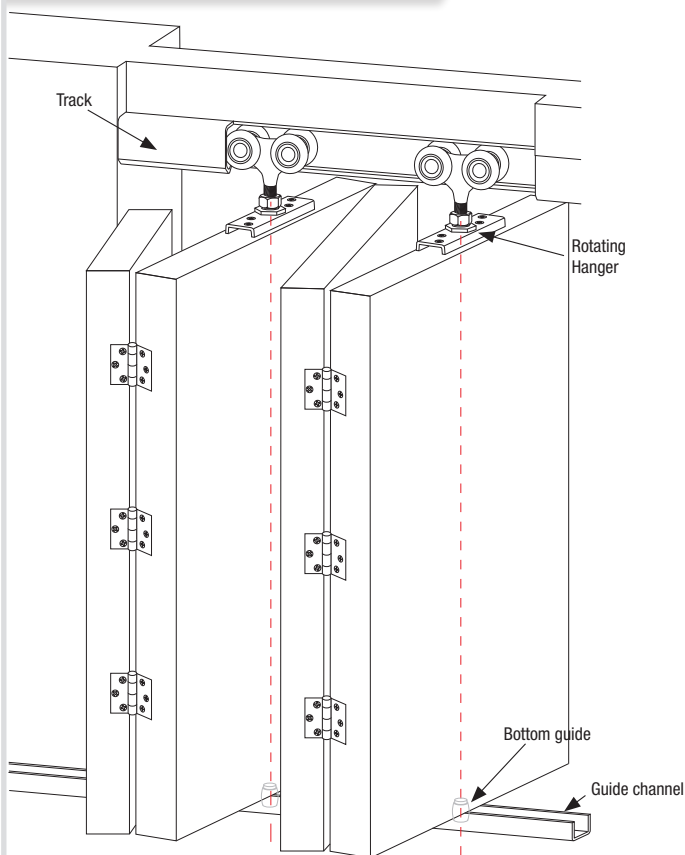
Contact our knowledgeable and friendly staff will be more than happy to talk you through any technical or specification questions you may have

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# Industrial Series 50

## Centre folding/ end folding systems for timber or metal doors

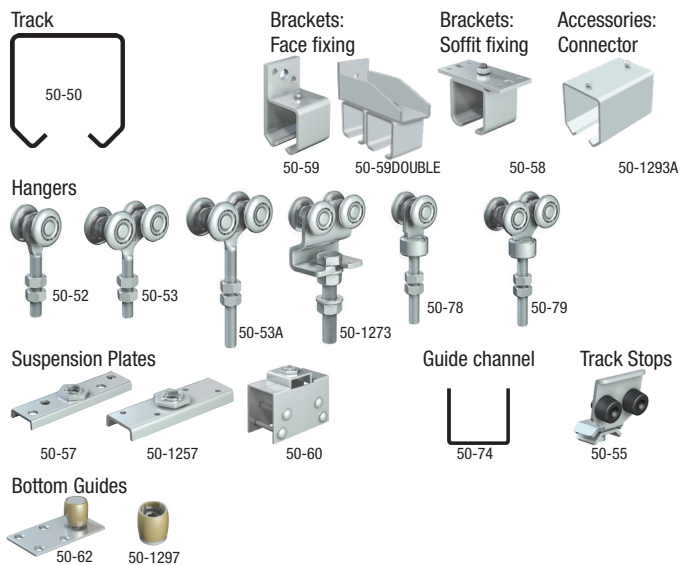
### Centre Folding Systems



Series 50 centre folding systems are suitable for timber or metal doors with a maximum panel weight up to 200kg when using 4 wheel rollers per door. Capacity will be reduced accordingly if using lower capacity hangers from the Series 50 range. Components suitable for use with centre folding systems are detailed below.

Our Technical Team are available on 01280 822288 to help you with system configuration and hardware selection if required.

### Series 50 Centre Folding door components



The width of the door panel which is hinged to the frame (jamb) must be reduced by half the thickness of the door plus half the width of the remaining doors, plus the diameter of the hinge knuckle when using butt hinges. The example below is for a hinge with a 14mm knuckle. Dimension will vary depending on hinge choice.

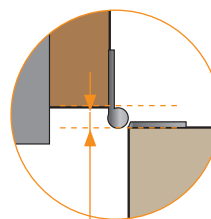
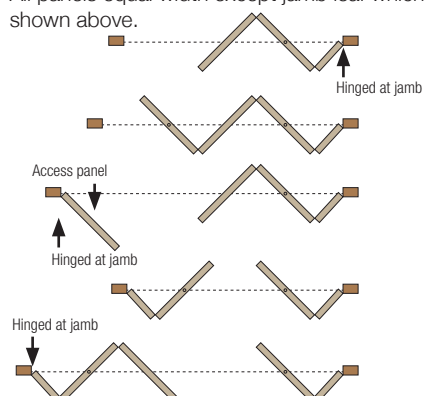
Example using 1000mm wide x 60mm thick door.

$1000\text{mm} \div 2 = 500\text{mm}$ ;  $60\text{mm} \div 2 = 30\text{mm}$ ;

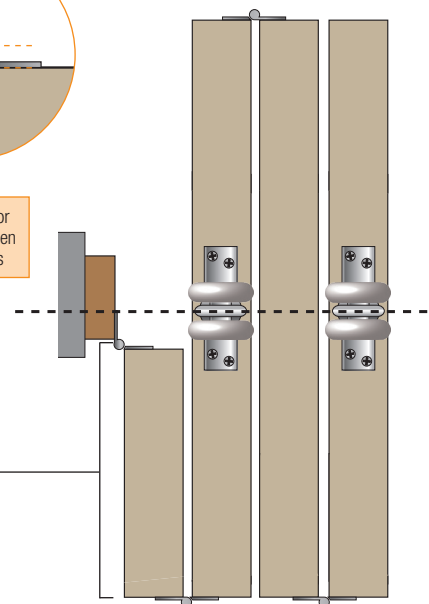
$500\text{mm} + 30\text{mm} + 14\text{mm}$   
= 544mm reduction in width.

#### Other typical centre folding panel configurations

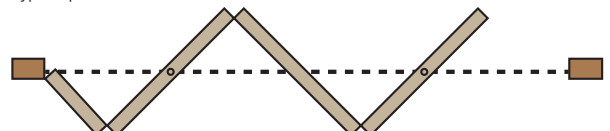
All panels equal width except jamb leaf which must be reduced as shown above.



Allow clearance for hinge knuckles when using butt hinges



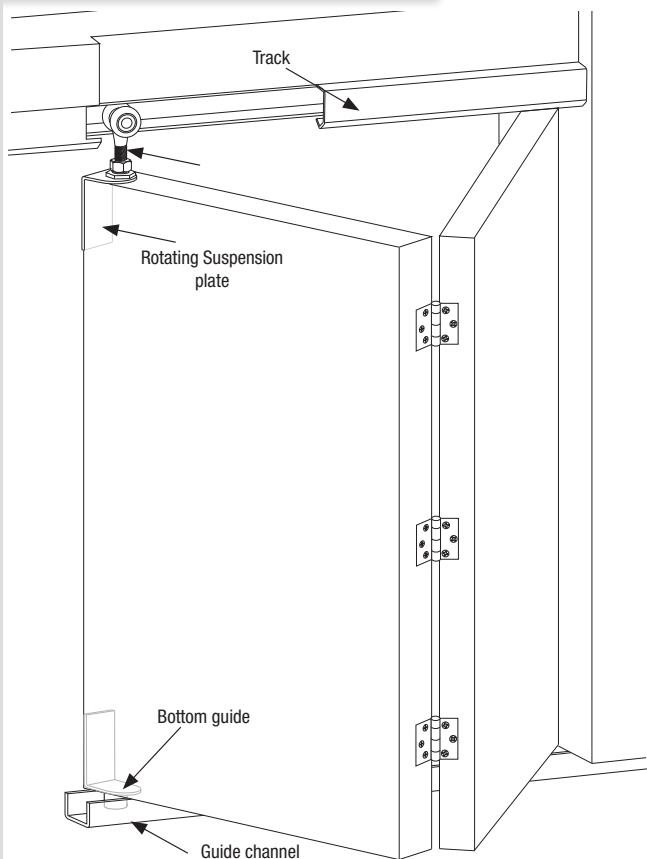
Typical plan of 3 1/2 doors



# Industrial Series 50

Centre folding/ end folding systems for timber or metal doors

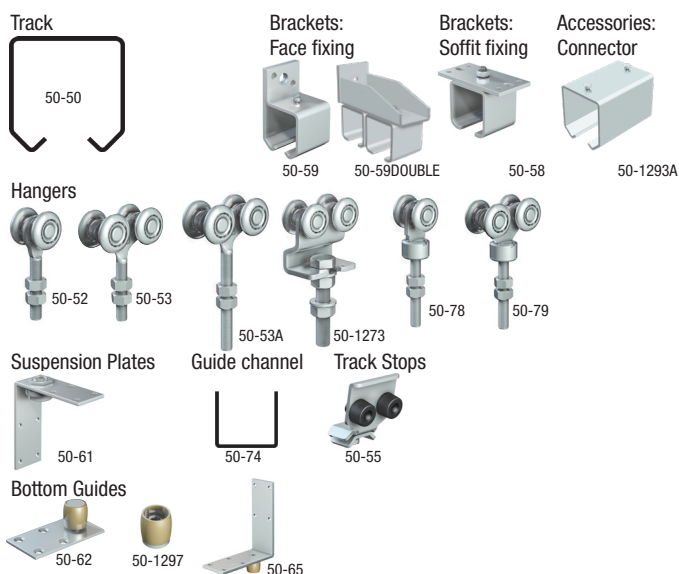
## End Folding Systems



Series 50 end folding systems are suitable for timber or metal doors with a maximum panel weight up to 120kg when using 4 wheel rollers per door. Capacity will be reduced accordingly if using lower capacity hangers from the Series 50 range. Components suitable for use with end folding systems are detailed below.

Our Technical Team are available on 01280 822288 to help you with system configuration and hardware selection if required.

## Series 50 End Folding door components



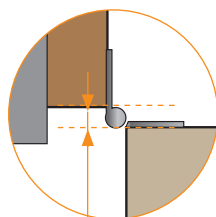
The width of the door panel which is hinged to the frame (jamb) must be reduced by half the thickness of the door plus 23mm, plus the diameter of the hinge knuckle when using butt hinges. The example below is for a hinge with a 14mm knuckle. Dimension will vary depending on hinge choice.

Example using 60mm thick door.

$$60\text{mm} \div 2 = 30\text{mm}$$

$$30\text{mm} + 23\text{mm} + 14\text{mm}$$

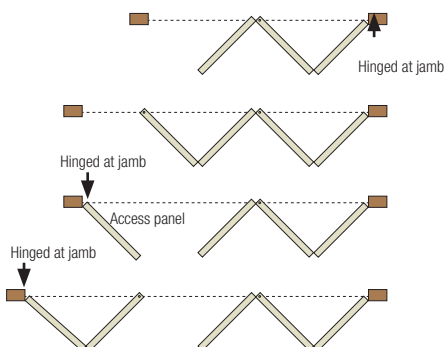
$$= 67\text{mm reduction in width.}$$



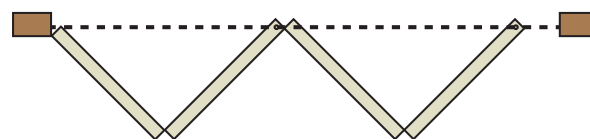
Allow clearance for hinge knuckles when using butt hinges

### Other typical panel end folding configurations

All panels equal width except jamb leaf which must be reduced as shown above.

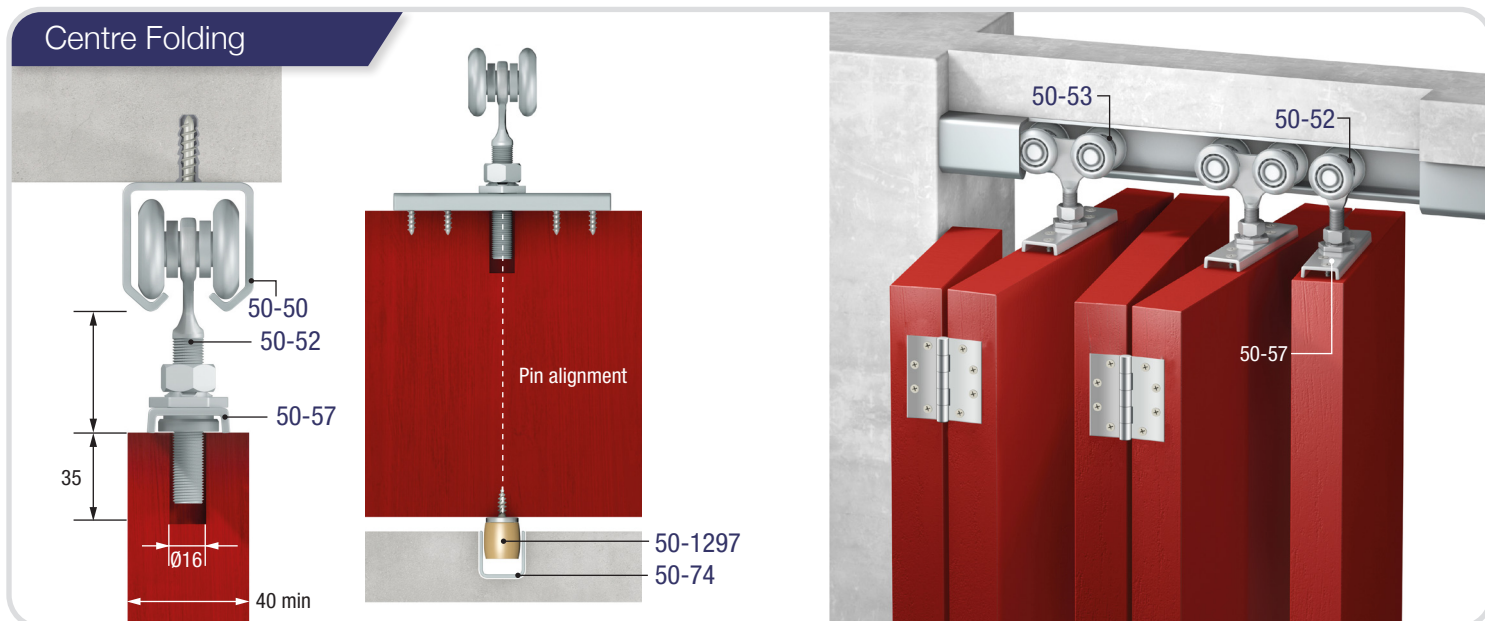


Typical plan of 3 1/2 doors

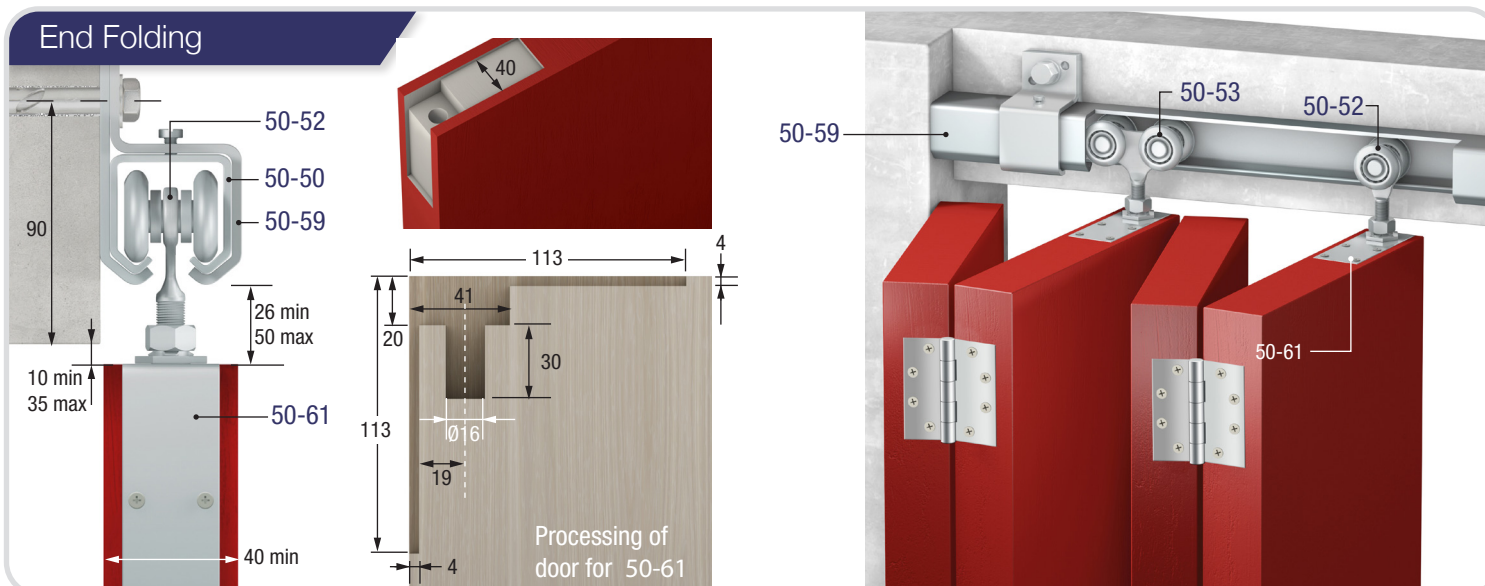


# Industrial Series 50

## Centre Folding



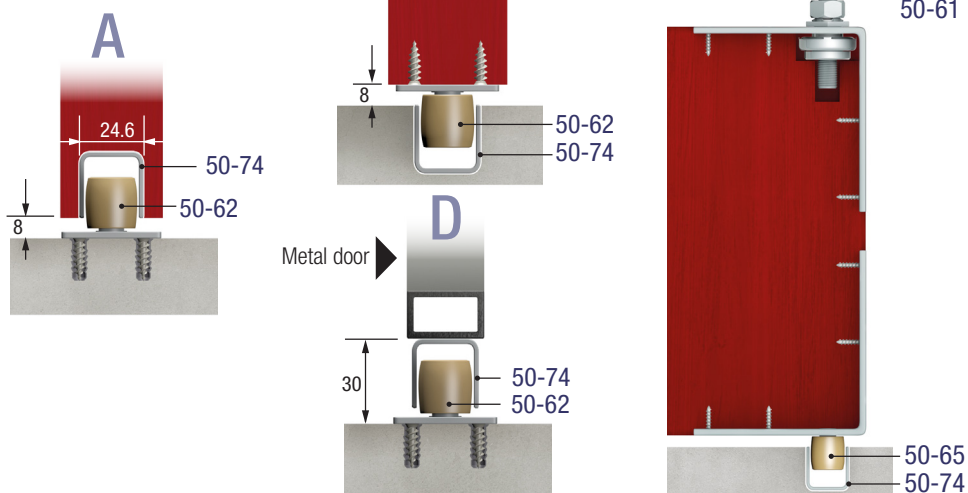
## End Folding



## Bottom Guide Options

Typical bottom guide configurations for folding systems (suggestions only).

- A. Guide roller fixed to floor with under guide channel recessed into door bottom.
- B. Guide roller fixed to door with under guide channel recessed into floor.
- C. When using suspension plate 50-61 it is recommended to also use bottom guide 50-65
- D. Guide roller fixed to floor with under guide channel fitted to door bottom (metal door).



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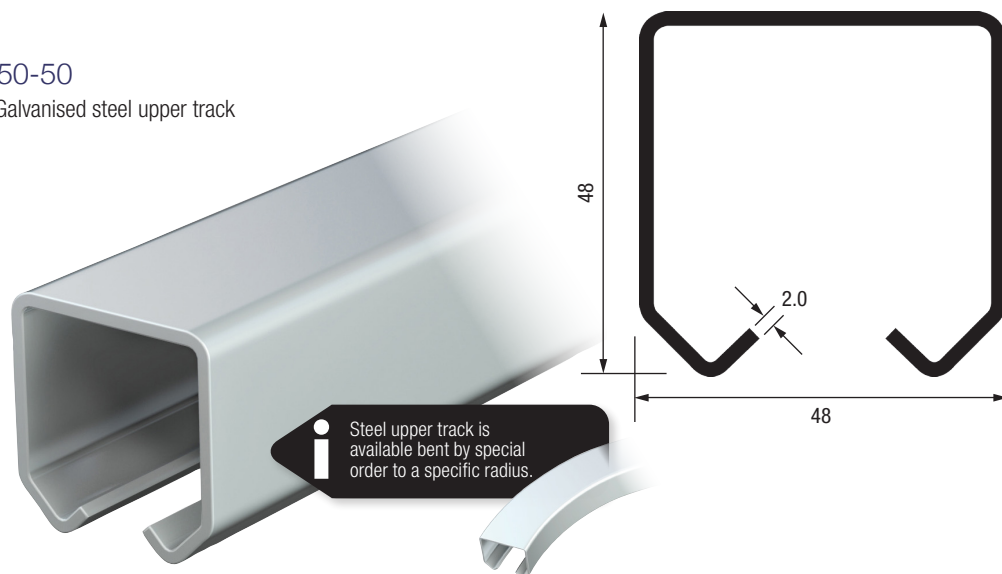


# Industrial Series 50

## Track & Guides

### 50-50

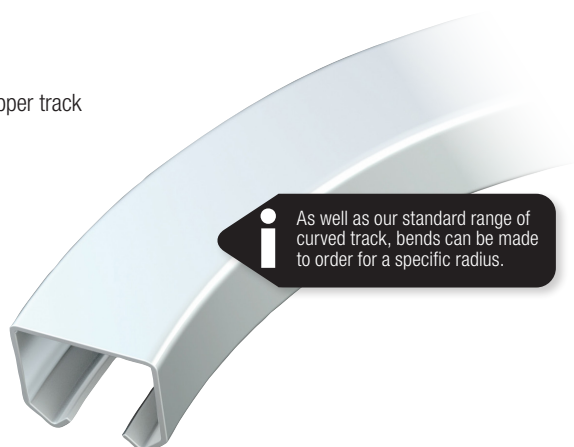
Galvanised steel upper track



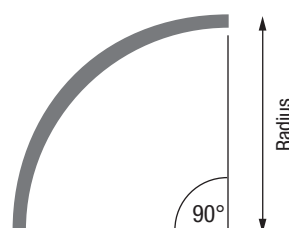
Steel upper track is available bent by special order to a specific radius.

Length	Part No.
1 metre	50-50-1
2 metre	50-50-2
3 metre	50-50-3
4 metre	50-50-4
5 metre	50-50-5

### 90° Curved upper track (pre-drilled)



As well as our standard range of curved track, bends can be made to order for a specific radius.



Steel Track

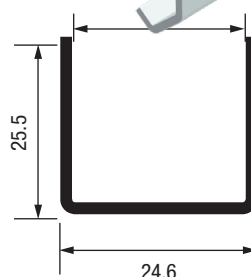
Radius	Part No.
1.0 metre	50-201

### 50-74

Under guide galvanised steel channel



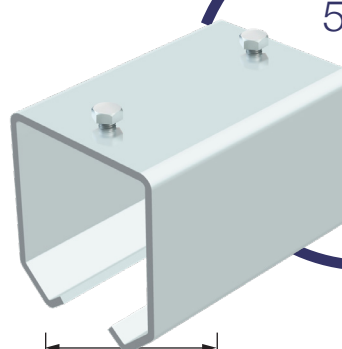
Under guide channel is available bent by special order to a specific radius.



Length	Part No.
1 metre	50-74-1
2 metre	50-74-2
3 metre	50-74-3
4 metre	50-74-4
5 metre	50-74-5

### 50-1293A

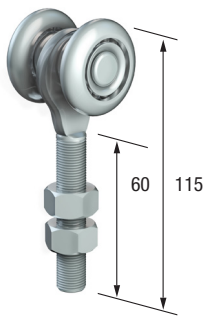
Track connector for upper track





# Industrial Series 50

## Hangers

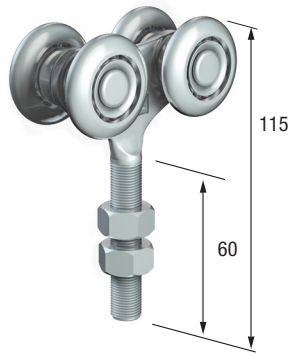


**160kg**  
**50-52**

Adjustable steel roller with M12 x 60mm pin and 38mm ball bearing wheels.



50-52 | 160kg capacity  
38mm ball bearing steel wheels.

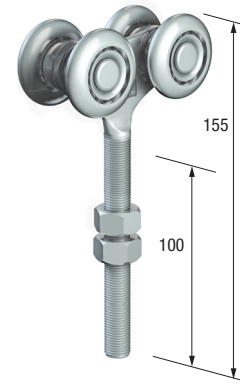


**220kg**  
**50-53**

Adjustable steel roller with M12 x 60mm pin and 38mm ball bearing wheels.



50-53 | 220kg capacity  
38mm ball bearing steel wheels.

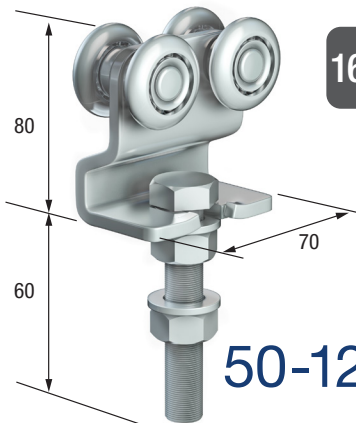


**220kg**  
**50-53A**

Adjustable steel roller with M12 x 100mm pin and 38mm ball bearing wheels.



50-53A | 220kg capacity  
38mm ball bearing steel wheels.

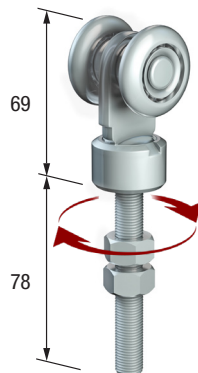


**160kg**  
**50-1273**

Adjustable steel roller with M16 x 60mm pin and 38mm ball bearing steel wheels.



50-1273 | 160kg capacity  
38mm ball bearing steel wheels.

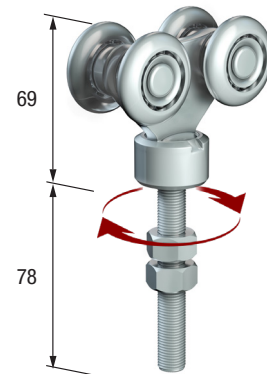


**160kg**  
**50-78**

Adjustable steel roller with M12 x 78mm rotating pin and 38mm ball bearing wheels.



50-78 | 160kg capacity  
38mm ball bearing steel wheels.

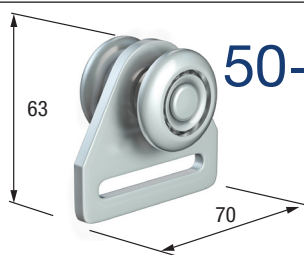


**220kg**  
**50-79**

Adjustable steel roller with M12 x 78mm rotating pin and 38mm ball bearing wheels.



50-79 | 220kg capacity  
38mm ball bearing steel wheels.



**160kg**  
**50-603**

Steel roller with 38mm ball bearing wheels.



50-603 | 160kg capacity  
38mm ball bearing steel wheels.

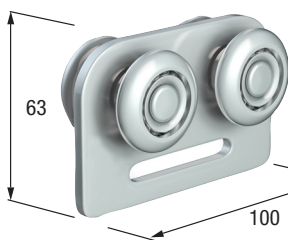


**160kg**  
**50-600**

Steel roller with 38mm ball bearing wheels.



50-600 | 160kg capacity  
38mm ball bearing steel wheels.



**210kg**  
**50-1368**

Steel roller with 38mm ball bearing wheels.

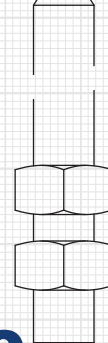
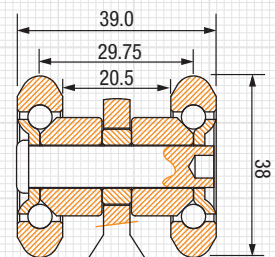


50-1368 | 160kg capacity  
38mm ball bearing steel wheels.

## Wheel Types



38mm ball bearing wheels  
with hardened steel tyre and  
stainless steel bearings.



Series **50**

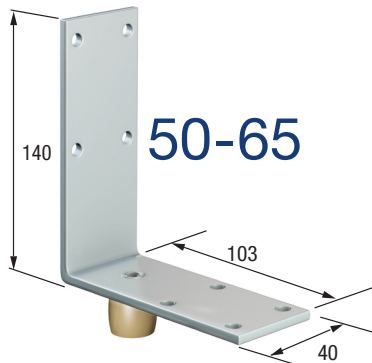
Hanger wheel technical information

Contact our knowledgeable and friendly staff will be more than happy to talk you through any technical or specification questions you may have

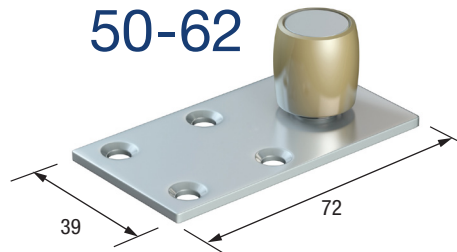
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# Industrial Series 50

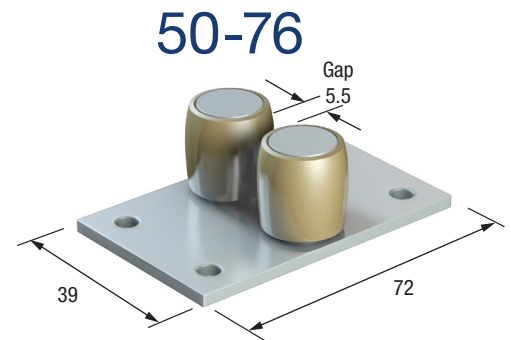
## Guide rollers/brackets/plates



**50-65** Steel side guide roller with rotating brass pin 20mm diameter. Minimum door thickness 40 mm.

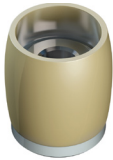


**50-62** Steel guide roller with rotating brass pin 20mm diameter.



**50-1297** Rotating brass pin 20mm diameter.

### 50-1297



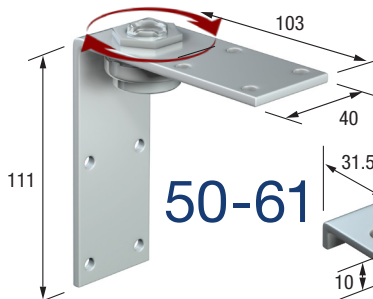
**50-1297** Rotating brass pin 20mm diameter.



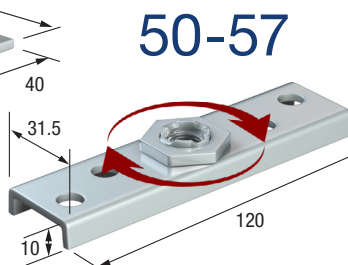
### 50-55



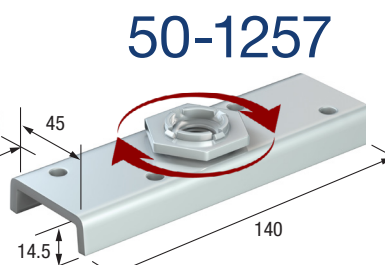
**50-55** Door stop for the upper track.



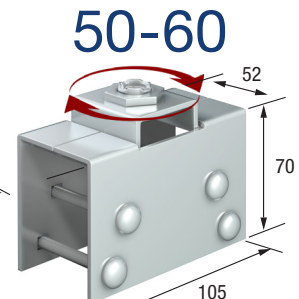
**50-61** Steel rotating suspension plate for M12 pin. Min. door thickness 40mm. For use with: 50-52; 50-53; 50-78; 50-79



**50-57** Steel rotating suspension plate for M12 pin. Min. door thickness 32mm. For use with: 50-52; 50-53; 50-78; 50-79

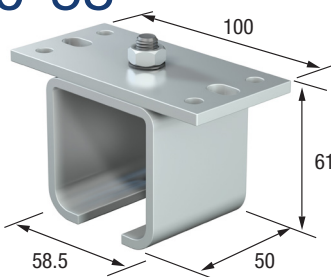


**50-1257** Steel rotating suspension plate for M16 pin. Min. door thickness 46mm. For use with: 50-1272; 50-1273



**50-60** Steel rotating suspension plate for M12 pin. Min. door thickness 52mm. Max 65mm. For use with: 50-52; 50-53; 50-78; 50-79

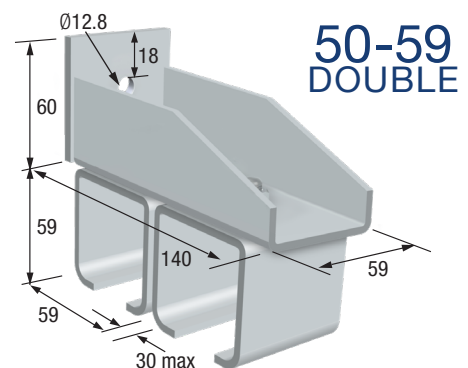
### 50-58



**50-58** Ceiling fixing steel bracket for the upper track.



**50-59** Wall fixing steel bracket for the upper track.



**50-59 DOUBLE** Twin track wall fixing steel bracket for the upper track. Maximum spacing adjustment 30mm