

CONTEMPORARY FUSION[®] BALUSTER SYSTEM

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Thank you for purchasing our FUSION[®] Baluster with new 2-Piece metal baluster bracket.

Please read these instructions in conjunction with the full FUSION[®] system instructions supplied with the FUSION[®] Newel Base Connector.

The FUSION[®] system is installed as the instructions supplied with the FUSION[®] Newel Base connector apart from the installation of the balusters using the new 2-Piece metal baluster bracket.

Your FUSION[®] Balusters are supplied with part of the baluster bracket already assembled and fixed to the baluster (Fig.1)

Fix the pre-assembled bracket (Bracket 2, Fig.2) and baluster to the 2nd part of the 2-piece bracket (bracket 1, Fig.2) using the No 8 x 16mm self-tapping screw supplied (Fig.2). Repeat for 2 x balusters making sure not to over tighten the screws at this stage.

Having followed the full FUSION[®] system instructions supplied with the FUSION[®] Newel Base Connector you should now have the handrail with connectors attached, assembled to the newel posts. To establish the correct height for the handrail and the fixed position of the top connector to the newel post, position the 2 x assembled balusters at the bottom and top of the stairs as illustrated in Fig.3 making sure that the balusters are vertical and the gap between the baluster and newel is no greater than 99mm. Mark the final position of the connectors to the posts and fix using the screws supplied.

Using a pencil mark the positions of the centres of the brackets (Bracket 1) of the bottom and top baluster to the handrail and baserail. For ease of installation each bracket has a notch machined to it representing the centre of the bracket. Once marked unscrew bracket 2 from bracket 1 and final fix bracket 1 to the handrail and baserail using the No 8 x 25mm screws supplied (Fig.4).

To calculate the spacing of the balusters and brackets between the first and last balusters, measure the distance from the notch of the first bracket to the notch of the last bracket (Fig.5).

Divide the measurement (the distance between the first and last notches) by 148.5mm. Round up to the next whole number and divide into the original measurement to give exact spacing.

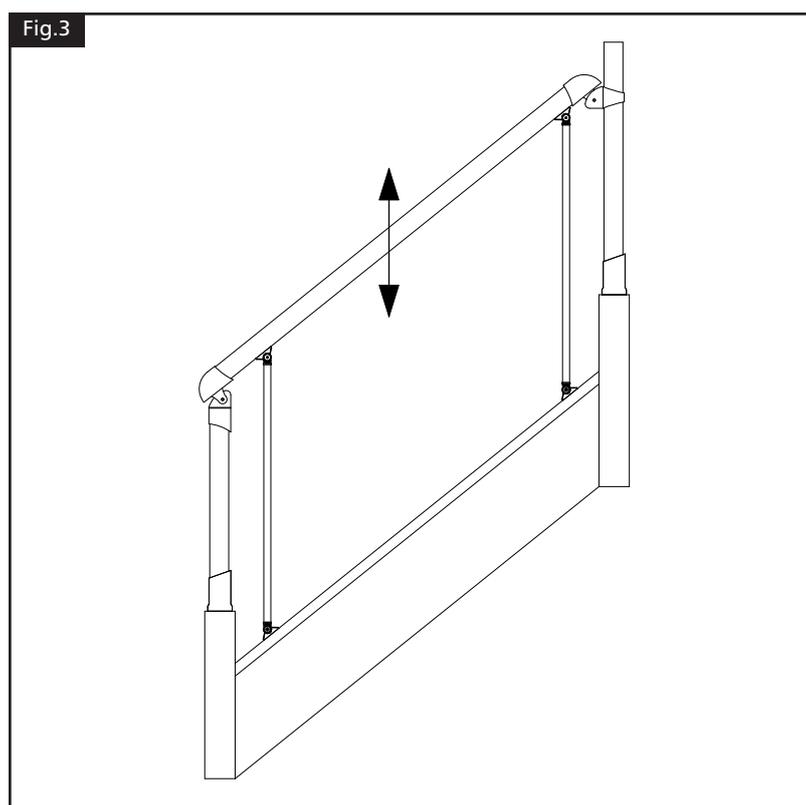
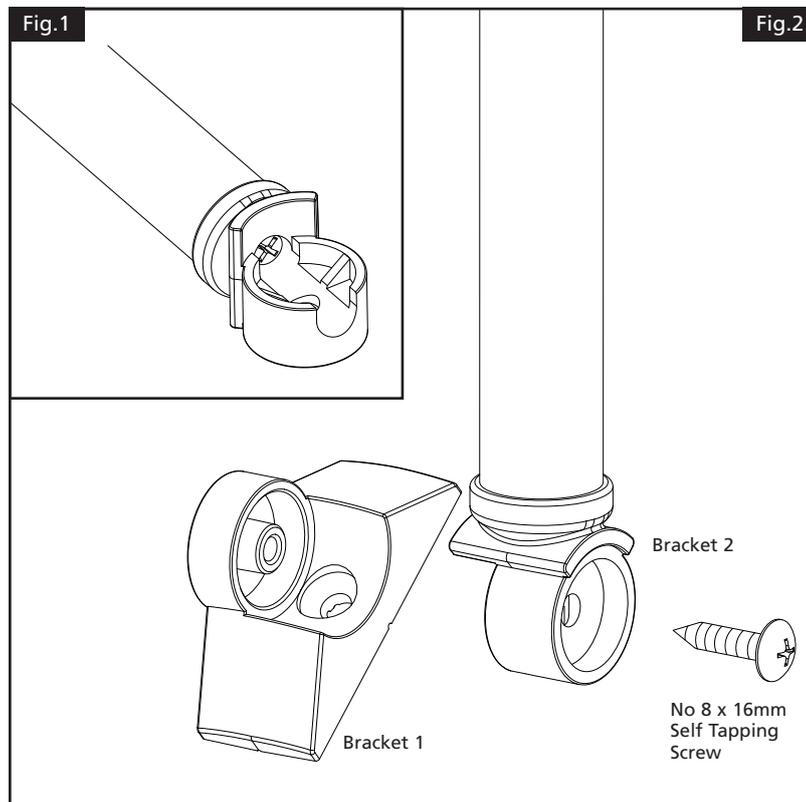
Example

Distance from the notch of the first bracket to the notch of the last bracket = 2159mm

$2159 \div 148.5\text{mm} = 14.53$ rounded up to 15

$2159 \div 15 = 143.9\text{mm}$

Carefully mark the calculated bracket centre spacing to both the handrails and baserails using a pencil and fix all Bracket 1 parts to these marks using the No 8 x 25mm screws. Fix the pre-assembled balusters and bracket 2's to all bracket 1's using the No 8 x 16mm self-tapping screws supplied (Fig.2).



Horizontal Installations

When installing balusters and baluster brackets on landing installations assemble 2 x Balusters as previously detailed for stair installations.

Position these balusters at the start and end of the landing run making sure the balusters are vertical and the gap between the balusters and posts and/or wall is no greater than 99mm. Mark the centre of the brackets (i.e. the notches) to the rails.

Measure the distance between the first and last notches and divide by 117mm. Round up to the next whole number and divide into the original measurement to give exact spacing.

Example

Distance from the notch of the first bracket to the notch of the last bracket = 1150mm

$1150 \div 117\text{mm} = 9.82$ rounded up to 10

$1150 \div 10 = 115\text{mm}$

Carefully mark the calculated bracket centre spacing to both the handrails and baserails using a pencil and fix all Bracket 1 parts to these marks using the No 8 x 25mm screws. Fix the pre-assembled balusters and bracket 2's to all bracket 1's using the No 8 x 16mm self-tapping screws supplied.

Insert all cover caps into installed balusters (Fig 6).

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Fig.4

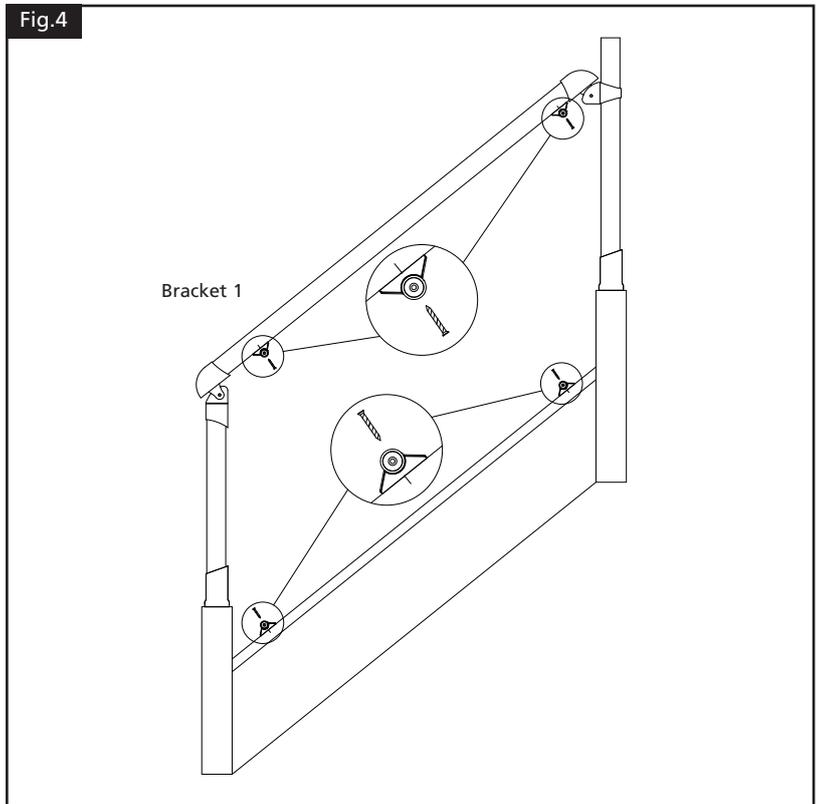


Fig.5

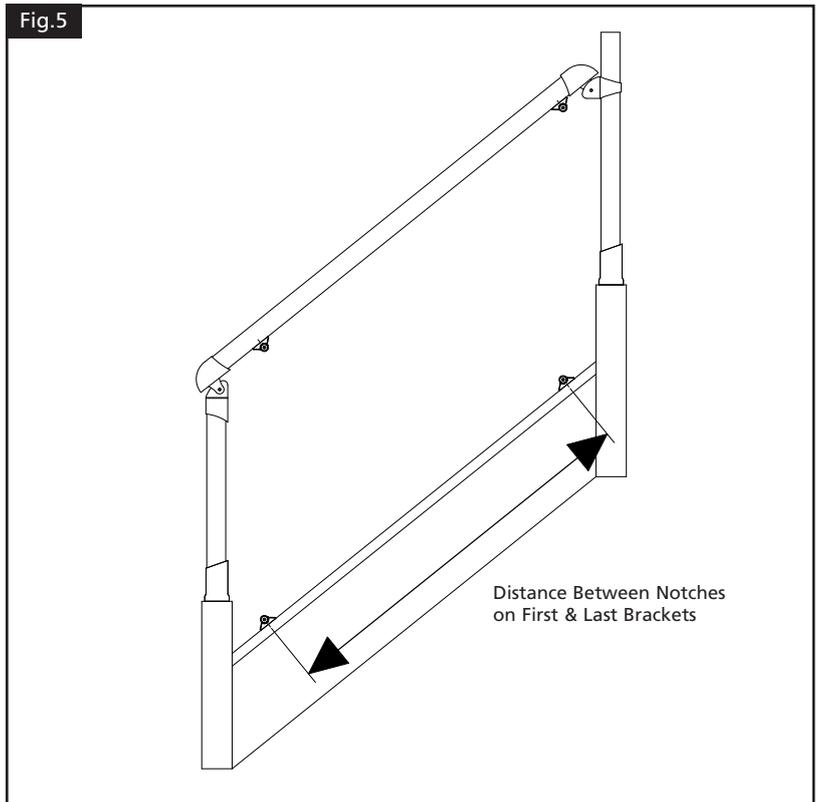


Fig.6

