Madrid deluxe top fix SS2205

Ideal for narrow beam/PFC beam installations

Polish finish

SS2205 M12 fixing nut   Satin finish

Suits 12mm to 17.52mm thick glass

FRONT VIEW   SIDE VIEW   PLAN VIEW

Ø19.5mm centre fixing hole
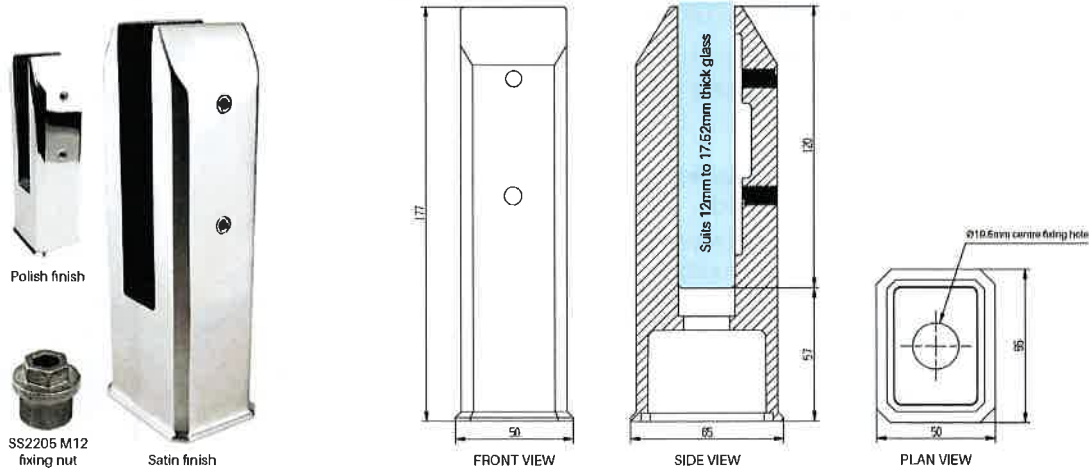
Madrid Deluxe top fix clamp
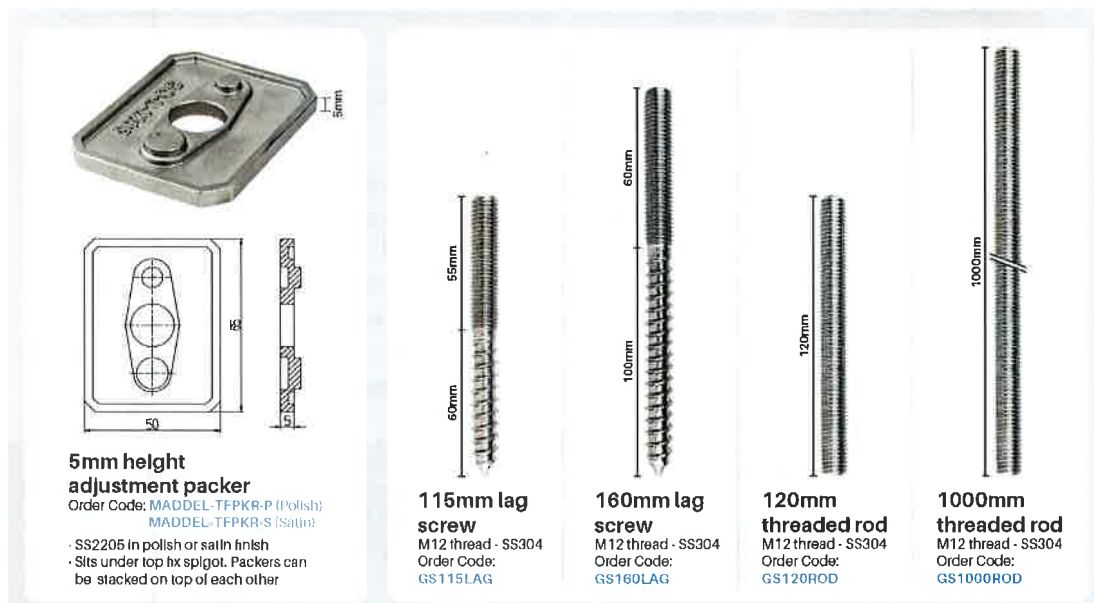
Polish or satin finish
Order Code:
MADDEL-TF-P (Polish)
MADDEL-TF-S (Satin)

Advantages

· Suitable for balustrade and pool fencing installation – contact us for load reports
· Top fix spigot installed with single central M12 fixing and specially machined nut
· Single central fixing ideal for narrow/PFC beams and slab installations
· No large core holes, dress rings or domical covers required
· Stainless Steel 2205 Spigot in polish or satin finish
· 45mm front slimline profile x 65mm depth
· Suits 12mm up to 17.52mm glass
· Friction fit glass installation with recessed friction packer – no holes in glass required
· 120mm depth spigot mouth provides extra clamping strength and rigidity
· Packers included for glass sideways and tilt adjustment
· 5mm thick SS2205 height adjustment packer for uneven surfaces available in polish and satin finish (sold separately)

5mm height adjustment packer
Order Code: MADDEL-TFPKR-P (Polish)
MADDEL-TFPKR-S (Satin)
· SS2205 in polish or satin finish
· Sits under top fix spigot. Packers can be stacked on top of each other

115mm lag screw
M12 thread - SS304
Order Code:
GS115LAG

160mm lag screw
M12 thread - SS304
Order Code:
GS160LAG

120mm threaded rod
M12 thread - SS304
Order Code:
GS120ROD

1000mm threaded rod
M12 thread - SS304
Order Code:
GS1000ROD

Domestic   Trade   Body Corporate

Pool Fencing, Garden Fencing, Security Fencing, Glass Fencing, Pedestrian Gates, Sliding Gates, Intercoms, Motors, Accessories

Office: Unit 2, 45 Leda Drive, Burleigh Heads QLD 4220   Ph: (07) 5576 0600 Fax: (07) 5508 2383

Timber install guide

What you need for 1x spigot

1x Madrid deluxe top fix spigot (including glass packers & fixing nut)
1x Threaded lag screw (115mm or 160mm)

*Please consult your engineer regarding suitability and structural integrity of timber, steel or other beam/substrate. Timber hardness and strength varies and as each installation situation is different we are unable to provide technical advice regarding suitability of substrate.
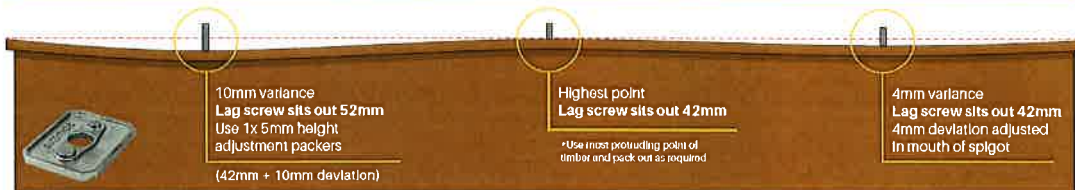
1 Pre-drill 1x pilot holes into timber where spigot will be installed.

Drive M12 lag screw into pilot hole and ensure thread is protruding 42mm from timber (or as required subject to below diagram).
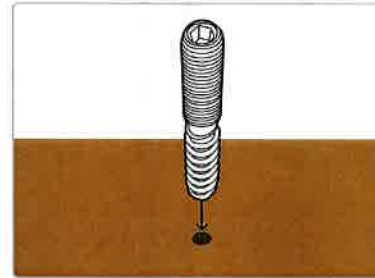
NOTE: Attach a stringline to the timber surface from where the first spigot is being installed to where the last spigot is being installed and note any variance in floor level. Refer to below example for further information.

10mm variance
Lag screw sits out 52mm
Use 1x 5mm height
adjustment packers
(42mm + 10mm deviation)

Highest point
Lag screw sits out 42mm
*Use most protruding point of timber and pack out as required

4mm variance
Lag screw sits out 42mm
4mm deviation adjusted
in mouth of spigot

HEIGHT ADJUSTMENT GUIDE
For larger floor variances, continue same methodology

Floor variance	Adjustment required
1mm - 5mm	Adjust glass with packers in mouth of spigot 6mm height adjustment of glass is possible in mouth of spigot
5.1mm - 10mm	Use 1x 5mm stainless packer and adjust glass with packers in mouth of spigot
10.1mm - 15mm	Use 2x 5mm stainless packer and adjust glass with packers in mouth of spigot
15.1mm - 20mm	Use 3x 5mm stainless packer and adjust glass with packers in mouth of spigot
20.1mm - 25mm	Use 4x 5mm stainless packer and adjust glass with packers in mouth of spigot

2 Place Madrid Top Fix Spigot down onto M12 fixing. Position machined nut into centrally located cavity in the spigot and tighten nut securely onto thread.
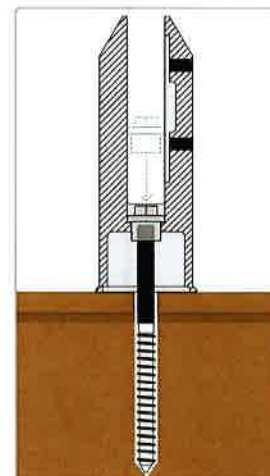
*It is always recommended to use Loctite 263 on fixing nut thread
Ensure spigot is firmly and securely fastened down.

Trade tip!
Tilt adjustment and side to side adjustment packers are included with each spigot to assist in installation

Important!
Fixing nut suits 8mm hex drive or 14mm socket

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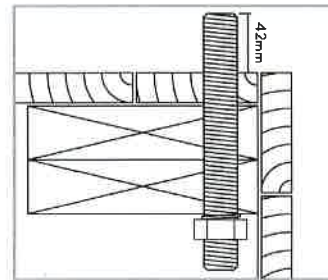
Joist/beam install guide

What you need for 1x spigot

1x Madrid deluxe top fix spigot (including glass packers & fixing nut)
1x M12 x 120mm rod (or longer as needed)
1x M12 nut with spring washer (puchase from nut and bolt shop)

*Please consult your engineer regarding suitability and structural integrity of timber, steel or other beam/substrate. Timber hardness and strength varies and as each installation situation is different we are unable to provide technical advice regarding suitability of substrate.
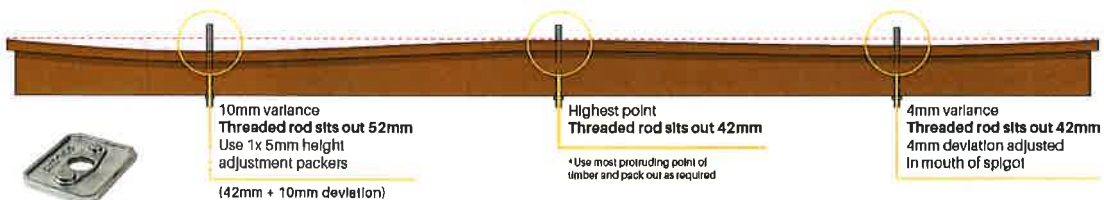
1 Pre-drill 1x 12.5mm or 13mm hole through joist/beam.

Insert threaded rods and leave 42mm of thread protruding from top of joist/beam (or as required subject to below diagram).

Ensure enough thread is left protruding from underneath the joist/beam for an M12 nut with washer to be affixed.

42mm

NOTE: Attach a stringline to the surface from where the first spigot is being installed to where the last spigot is being installed and note any variance in floor level. Refer to below example for further information.

10mm variance
Threaded rod sits out 52mm
Use 1x 5mm height adjustment packers
(42mm + 10mm deviation)

Highest point
Threaded rod sits out 42mm
*Use most protruding point of timber and pack out as required

4mm variance
Threaded rod sits out 42mm
4mm deviation adjusted in mouth of spigot

HEIGHT ADJUSTMENT GUIDE

For larger floor variances, continue same methodology

Floor variance	Adjustment required
1mm - 5mm	Adjust glass with packers in mouth of spigot 5mm height adjustment of glass is possible in mouth of spigot
5.1mm - 10mm	Use 1x 5mm stainless packer and adjust glass with packers in mouth of spigot
10.1mm - 15mm	Use 2x 5mm stainless packer and adjust glass with packers in mouth of spigot
15.1mm - 20mm	Use 3x 5mm stainless packer and adjust glass with packers in mouth of spigot
20.1mm - 25mm	Use 4x 5mm stainless packer and adjust glass with packers in mouth of spigot

2 Place Madrid Top Fix Spigot down onto M12 fixing.
Position machined nut into centrally located cavity in the spigot and tighten nut securely onto thread.

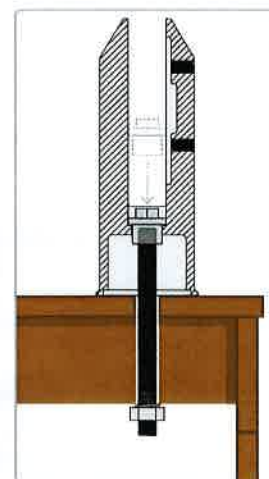*It is always recommended to use Loctite 263 on fixing threads
Ensure spigot is firmly and securely fastened down.

Trade tip!
Tilt adjustment and side to side adjustment packers are included with each spigot to assist in installation

Important!
Fixing nut suits 8mm hex drive or 14mm socket

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# Alternative joist/beam install guide

What you need for 1x spigot

1x Madrid deluxe top fix spigot (including glass packers & fixing nut)
1x Hex head M12 bolt & washer (purchase from nut and bolt shop)

*Please consult your engineer regarding suitability and structural integrity of timber, steel or other beam/substrate. Timber hardness and strength varies and as each installation situation is different we are unable to provide technical advice regarding suitability of substrate.

1 Pre-drill 1x 12.5mm or 13mm holes through joist/beam.

Insert bolt (with washer) and ensure 42mm of thread protruding from top of joist/beam (or as required subject to below diagram).
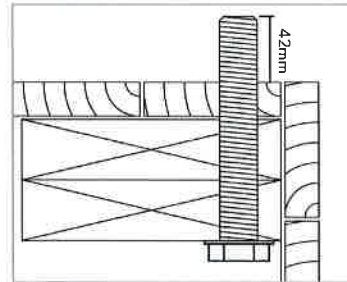
42mm

NOTE: Attach a stringline to the surface from where the first spigot is being installed to where the last spigot is being installed and note any variance in floor level. Refer to below example for further information.
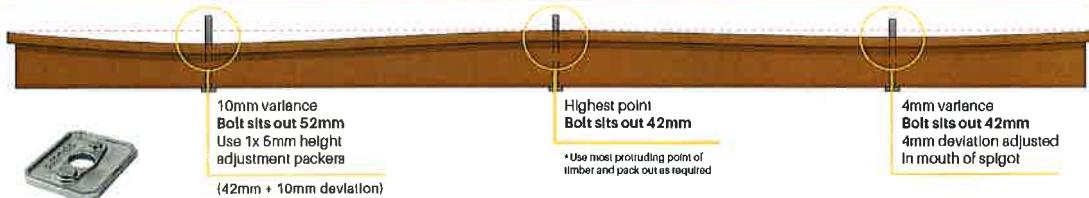
10mm variance
Bolt sits out 52mm
Use 1x 5mm height adjustment packers

(42mm + 10mm deviation)

Highest point
Bolt sits out 42mm
*Use most protruding point of timber and pack out as required

4mm variance
Bolt sits out 42mm
4mm deviation adjusted in mouth of spigot

HEIGHT ADJUSTMENT GUIDE
For larger floor variances, continue same methodology

Floor variance	Adjustment required
1mm - 5mm	Adjust glass with packers in mouth of spigot *5mm height adjustment of glass is possible in mouth of spigot*
5.1mm - 10mm	Use 1x 5mm stainless packer and adjust glass with packers in mouth of spigot
10.1mm - 15mm	Use 2x 5mm stainless packer and adjust glass with packers in mouth of spigot
15.1mm - 20mm	Use 3x 5mm stainless packer and adjust glass with packers in mouth of spigot
20.1mm - 25mm	Use 4x 5mm stainless packer and adjust glass with packers in mouth of spigot

2 Place Madrid Top Fix Spigot down onto M12 fixing.
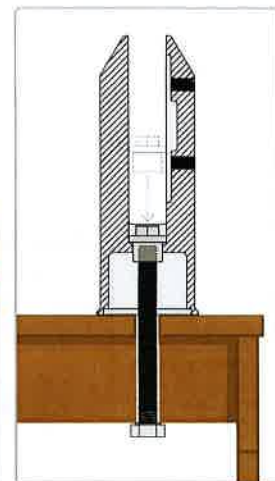Position machined nut into centrally located cavity in the spigot and tighten nut securely onto thread.
*It is always recommended to use Loctite 263 on fixing threads
Ensure spigot is firmly and securely fastened down.

Trade tip!
Tilt adjustment and side to side adjustment packers are included with each spigot to assist in installation

Important!
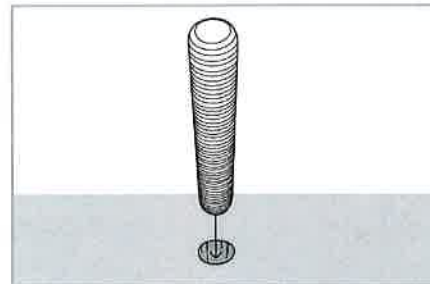Fixing nut suits 8mm hex drive or 14mm socket

Concrete install guide

What you need for 1x spigot

1x Madrid deluxe top fix spigot (including glass packers & fixing nut)
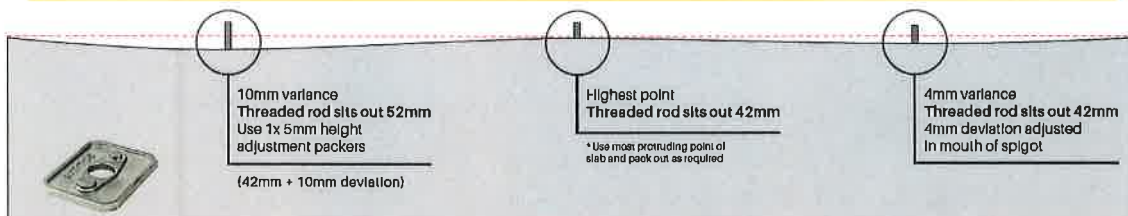1x M12 threaded rod (120mm or 1000mm)

1 Drill 1x 14mm hole in concrete slab where spigot will be installed.
Insert M12 threaded rod into the hole and ensure rod is protruding from the slab 42mm.
(or as required subject to below diagram)
Chemically anchor rods into place.

NOTE: Attach a stringline to the surface from where the first spigot is being installed to where the last spigot is being installed and note any variance in floor level. Refer to below example for further information.

10mm variance
Threaded rod sits out 52mm
Use 1x 5mm height adjustment packers

(42mm + 10mm deviation)

Highest point
Threaded rod sits out 42mm
* Use most protruding point of slab and pack out as required

4mm variance
Threaded rod sits out 42mm
4mm deviation adjusted in mouth of spigot

HEIGHT ADJUSTMENT GUIDE
For larger floor variances, continue same methodology

Floor variance	Adjustment required
1mm - 5mm	Adjust glass with packers in mouth of spigot 5mm height adjustment of glass is possible in mouth of spigot
5.1mm - 10mm	Use 1x 5mm stainless packer and adjust glass with packers in mouth of spigot
10.1mm - 15mm	Use 2x 5mm stainless packer and adjust glass with packers in mouth of spigot
15.1mm - 20mm	Use 3x 5mm stainless packer and adjust glass with packers in mouth of spigot
20.1mm - 25mm	Use 4x 5mm stainless packer and adjust glass with packers in mouth of spigot

2 Place Madrid Top Fix Spigot down onto M12 fixing.
Position machined nut into centrally located cavity in the spigot and tighten nut securely onto thread.
*It is always recommended to use Loctite 263 on fixing threads
Ensure spigot is firmly and securely fastened down.

Trade tip!
Tilt adjustment and side to side adjustment packers are included with each spigot to assist in installation

Important!
Fixing nut suits 8mm hex drive or 14mm socket