Sigma - Single Skin Steel Partitioning

Installation Pack

Troax Lee Manufacturing Ltd.
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Sigma Partitioning
Installation Instructions

Drill with hammer action
Metal Shears
Hacksaw
Tape Measure
Pliers or Mole Grips
Spirit Level
File
Screwdriver
Adjustable Spanner
Set Square
Hammer
Beginning Installation

Before you begin:
- Identify all of the components for your installation.
- Choose a datum point from which to measure all positions of corners.
- Measure and mark up the lines of the walls with a chalk line, between the feature points.

Fix the floor channel to floor using M6 spit hit fixing.

Fixings will be approx. 600mm apart.

Ensure that the floor the mullion is fixing onto is level using a spirit level.

Fix the mullion to the floor using M10 x 100 countersunk expansion Bolts.

If NOT fixing into concrete check the fixing listed on the delivery notes.

Fit the appropriate panels into the Floor Channel.
Fixing Panels

Align the pre-drilled holes in the panels.

Use an M6 x 12mm bolt and nut to fix in place.

Fixing Glazed Panels

Glazed panels come pre-assembled and need to be disassembled as shown in order to fix in place.

1. First unclip the triangular bead at the base of the glazing.

2. Remove the u-channel either side of the glazing to reveal the fixing points.

Once fixed in place re-assemble the glazed panel.
Fixing Panels to Mullions and Fillers

Round mullions are used when creating non-standard angles.

1 set of holes are pre-drilled and tapped, fix panel to the holes using M8 x 16mm Bolts.

The second Panel is Tek Screwed to the appropriate angle.

To fix two panels either side of a mullion an M6 x 60mm bolt and nut is used.

To connect a single panel to a mullion a M6 x 12mm bolt is used.

Fitting the Filler Panel

Filler panels should be measured and cut to size before spit-hit fixing to the wall.

The second half of the filler is bolted to panels using M6 x 12mm bolts.
Installing Top Caps

The top caps are cut to the lengths in relation to the panels.

As shown the top cap will push fit onto the top of the panels.

51 / 75mm Top Capping

Needs to be done prior to install if fixing to ceiling.

Insert top of panel into capping then panel lowered into floor-track.

If free standing capping is fixed into face of panel.

Heavy Duty Top Capping

When the top capping meets on the same line fix the parts together as shown using skirting screws.

When the top capping meets on a corner fit using skirting screws.

At the free end of the panel use an end cap to cover the end.

Fix in place as shown using skirting screws.
Installing Doors

Single doors usually come pre-hung into the frame.

1. Before install ensure that the threshold strip is removed from the base of the Door.

2. Fix the door frame to the floor using spit-hit fixings.

Double doors will need to be fitted together with provided fixings.

Install the completed frame into the run of partitioning.

Install the over panels.

A hole will need to be drilled into the floor to accommodate the shoot bolt.

*If door closers are to be fitted, install instructions will be provided.
Sliding Door (King 0)
Installation Instructions

Drill with hammer action
Metal Shears
Hacksaw
Tape Measure
Pliers or Mole Grips
Spirit Level
File
Screwdriver
Adjustable Spanner
Set Square
Hammer
Installing Over Panel

Once the panels are installed a gap will be left for the door.

There will be two lintel cleats welded onto the mullions situated as shown.

1. Place the box section around the lintels as shown. Align the pre-cut holes in both section.

2. Fix the box section to the lintel as shown using a M8 x 20mm or M10 x 25mm countersunk bolt.

Repeat for both sides, tighten with an allen key.
Slide the over panel onto the box section.

Fix Panels together using M8 x 60mm bolt and nut through the post and panels to both mullions.

**Fitting the Track**

1. Align the top track angle with the pre-drilled holes in the mullions.

2. Fix in place using M8 x 16mm bolts.
Fix the track brackets to the top track angle using M8 x 20mm countersunk bolts and M8 nuts as shown.

Fit the End clip into one of the end brackets.

Slide the track in as shown at the open end. Tek screw the track to the open end bracket to fix it in place.

**Trolley Assembly**

Before using the two trolleys unscrew the bolts from them.

Slide the roller trolley halves into the track at the open end as shown.
Fixing Floor Track

Align the floor track up to the opening of the door as shown to the slide the door will open to.

Fix to the floor through the pre-drilled holes in the floor track using push spit hit fixings.

Fixing Floor Guide

Place the floor guide as shown to the base of the sliding door panel.

Fix the door to the floor guide using M8 x 16mm bolts and nuts as shown through pre-drilled holes.

The length of the floor guide is greater than the length of the door, this is so it will always be in the floor track.
To attach the sliding door bolt the trolley halves that are in the top track through pre-drilled holes in the door. Fix in position using the bolt removed from the trolley.

Ensure that the floor track and guide align as shown.

Multiple Panel Sliding Door

If the door is constructed of multiple panels then a top angle will have to be used as shown.
Installing Over Panel

Once the panels are installed a gap will be left for the door.

There will be two lintel cleats welded onto the mullions situated as shown.

1. Place the box section around the lintels as shown. Align the pre-cut holes in both section.

2. Fix the box section to the lintel as shown using a M8 x 20mm or M10 x 25mm countersunk bolt.

Repeat for both sides, tighten with an allen Key.

Lintel  Countersunk Bolts
Panel
Mullion  Box Section
Slide the over panel onto of the box section.

Fix panels together using M8 x 60mm bolt and nut through the post and panels to both mullions.

Using two M10 x 25 countersunk bolts and M10 nuts fix the End bracket to the track angle as shown.

Leave one end open to allow the Track to be inserted.

Using a M10 x 25mm countersunk bolts and an M10 nut fix each bracket to the track angle as shown.
Slide the track into position.

Take the trolley apart as shown.
Repeat this process for both trolleys.

Slide trolley halves into track as shown.

Once the trolleys are in position fix end bracket on track angle using M10 x 25mm countersunk bolts and nuts.

Align the track angle with pre-drilled and tapped holes in the mullions.
Fix using M10 x 25mm hex bolt.
Repeat at each mullion.
Fixing Floor Track

Align the floor track up to the opening of the door as shown to the slide the door will open to.

Fix to the floor through the pre-drilled holes in the floor track using push spit hit fixings.

Fixing Floor Guide

Place the floor guide as shown to the base of the sliding door panel.

Fix the door to the floor guide using M8 x 16mm bolts and nuts as shown through pre-drilled holes.

The length of the floor guide is greater than the length of the door, this is so it will always be in the floor track.
Attaching the Sliding Door

To attach the sliding door bolt the trolley halves that are in the top track through pre-drilled holes in the door. Fix in position using the bolt removed from the trolley.

Ensure that the floor track and guide align as shown.

Multiple Panel Sliding Door

If the door is constructed of multiple panels then a top angle will have to be used as shown.
All Fixings must be used when installing the SSS Handle.

2 x Grub Screw
2 x Through Fixings
8 x Rivets
1.0  **General Cleaning:**
1.1  Daily cleaning is recommended for the removal of dust and dirt.
1.2  Do not use abrasive cleaning solutions, abrasive papers or alkaline solutions.
1.3  Wipe down only! Must not be washed down.

2.0  **Laminated & Wooden Doors:**
2.1  Wipe down periodically using a damp cloth and mild detergent drying with a clean cloth afterwards.

3.0  **Sliding Doors:**
3.1  Lightly oil trolley hangers every 3 to 5 months.
3.2  Check the trolley alignment in the track every 3 to 5 months.

4.0  **Locks & Hinges:**
4.1  Duplicate keys can be ordered from Troax Lee Manufacturing Ltd.
4.2  Lightly oil hinged every 3 to 5 months.

5.0  **Bolt Fixings:**
5.1  Check bolted fixings to ensure they are still tight every 6 to 12 months.

6.0  **Glazing:**
6.1  Clean glass when necessary using a suitable glass cleaner only.
6.2  Wipe down only! Must not be washed down.

7.0  **Polycarbonate**
7.1  Cleaning must be carried out manually. Carefully brushed with a very soft brush to remove any particles. Using a lint free cloth, gently wipe (do NOT rub) with lukewarm water mixed with a mild domestic soap (i.e. Washing-Up Liquid). Rinse thoroughly with clean water and wipe dry with a very soft lint free cloth (do NOT rub)

8.0  **Door Closers:**
8.1  To be maintained as per manufacturers recommendations.

9.0  **Damaged Items:**
9.1  Contact Troax Lee Manufacturing Ltd. for a range of replacement parts, doors, panels & glazing.