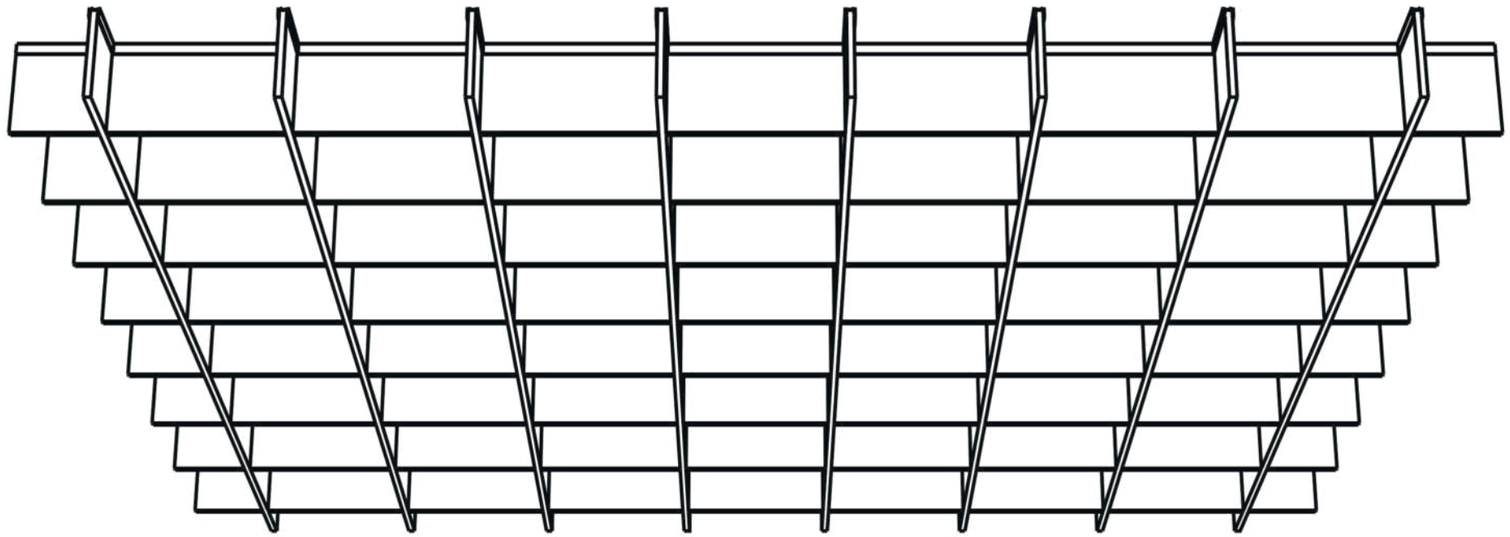
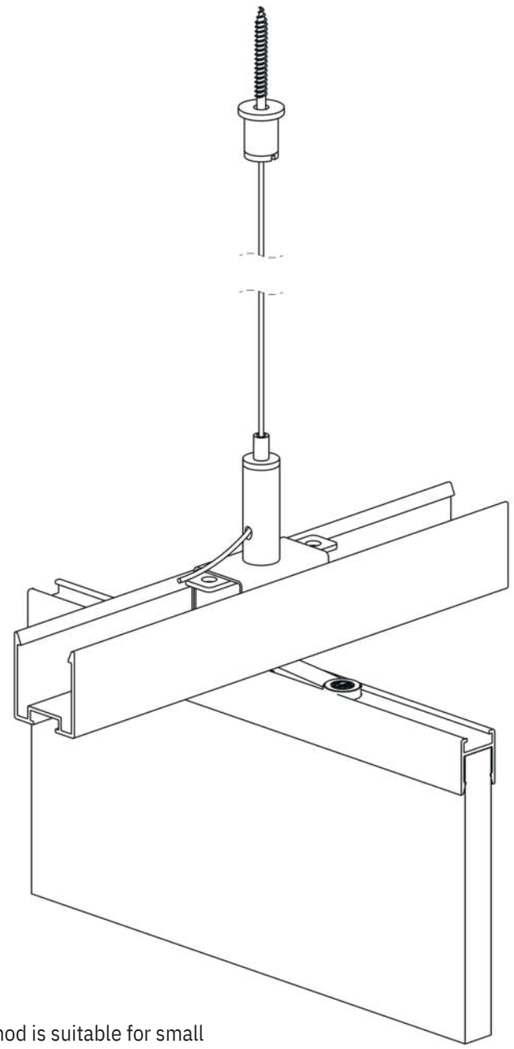
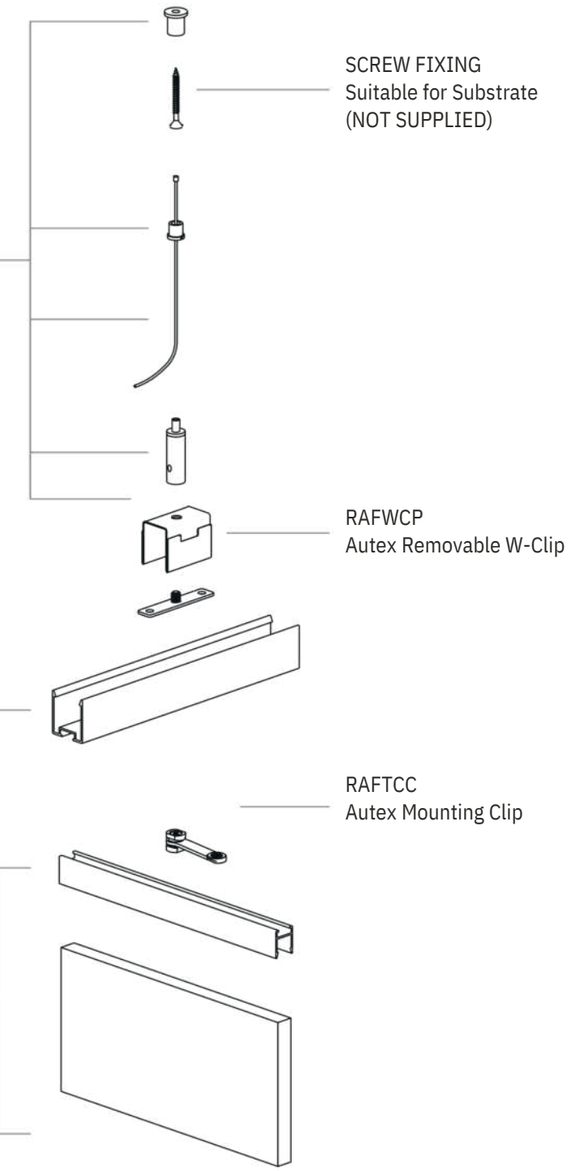


AXIS

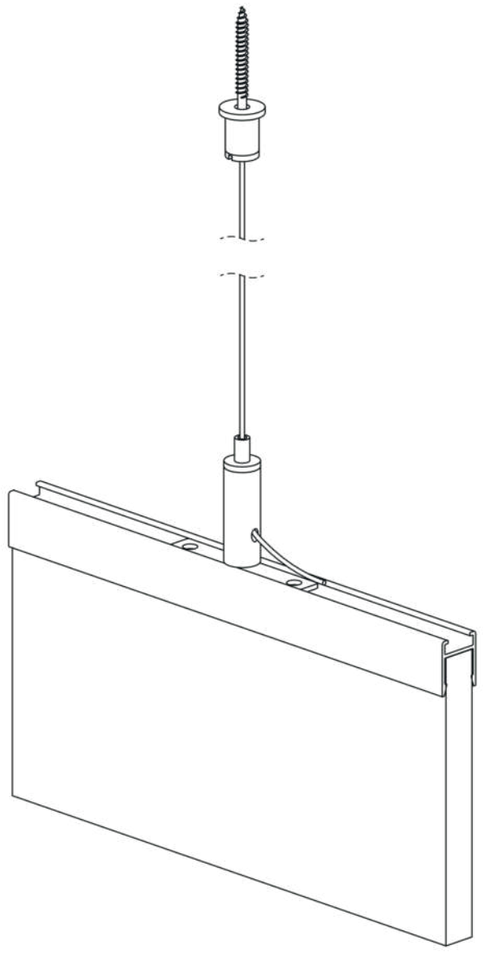
Suggested Ceiling Fixing Detail		
Substrate	Fixing	Minimum Embedment
Concrete	Hilti-HUS3-HR6	40mm
Steel	Stainless Steel 8G Tek Screw	0.55mm
Timber	Stainless Steel 8G Wood Screw	30mm

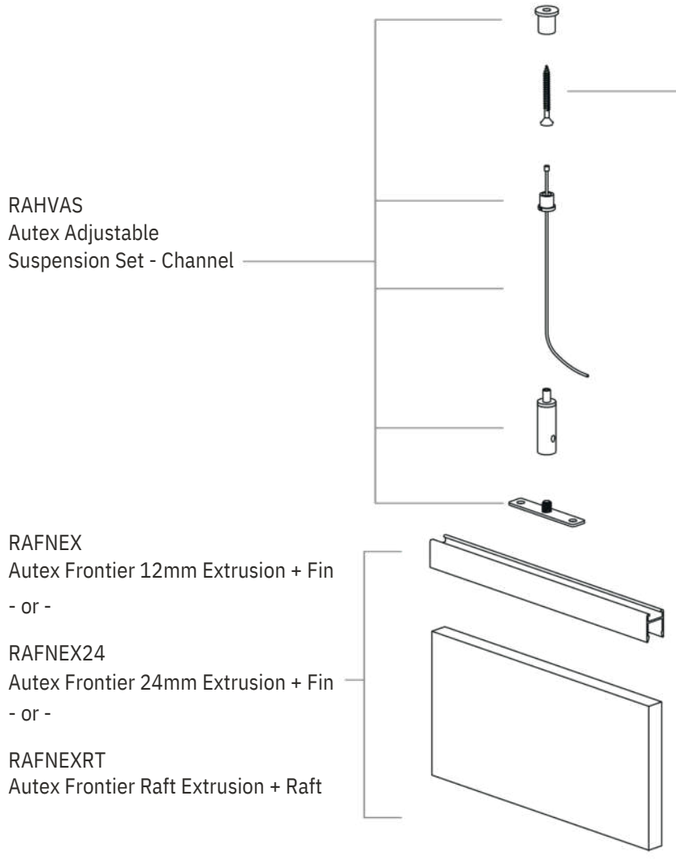


NOTE: This suspension method is suitable for small installations only.
For larger installations refer to pages 7-11.



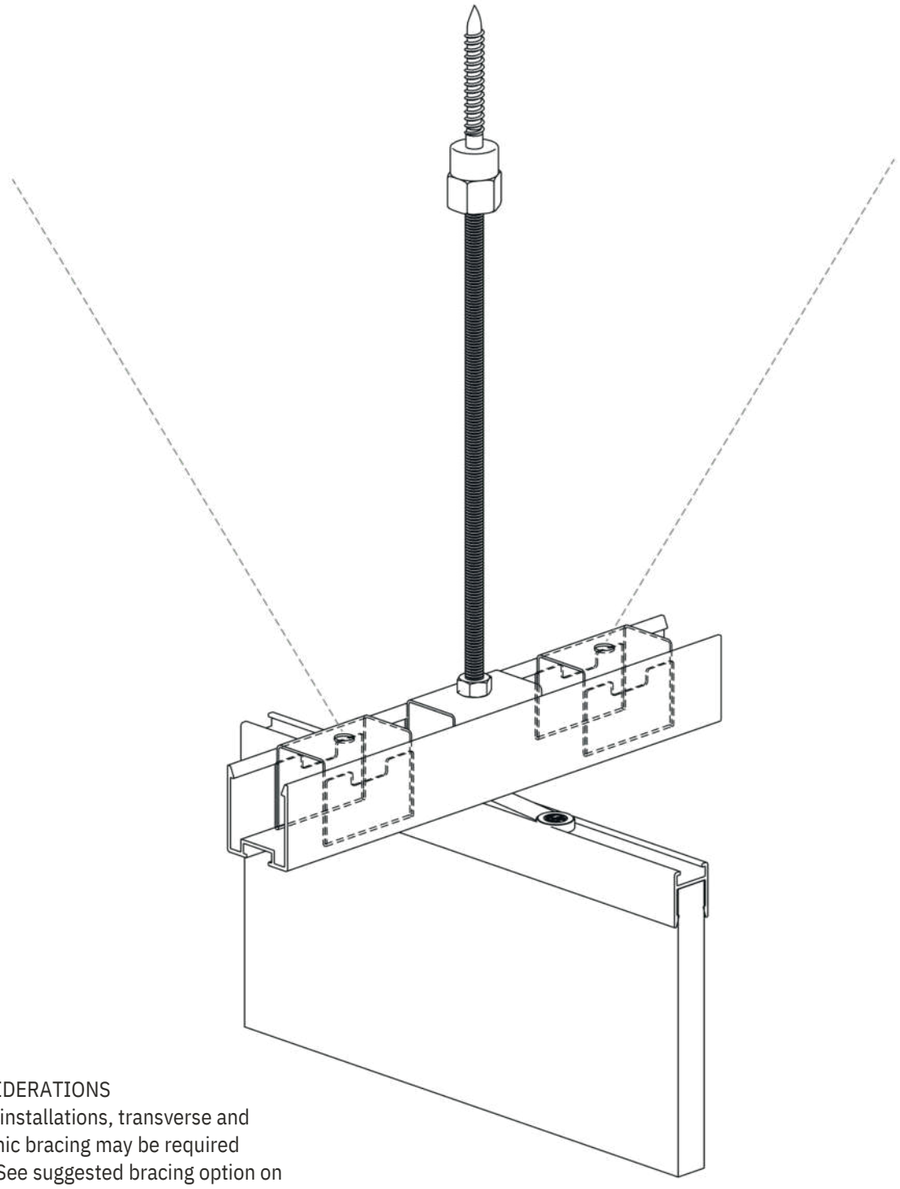
Suggested Ceiling Fixing Detail		
Substrate	Fixing	Minimum Embedment
Concrete	Hilti-HUS3-HR6	40mm
Steel	Stainless Steel 8G Tek Screw	0.55mm
Timber	Stainless Steel 8G Wood Screw	30mm



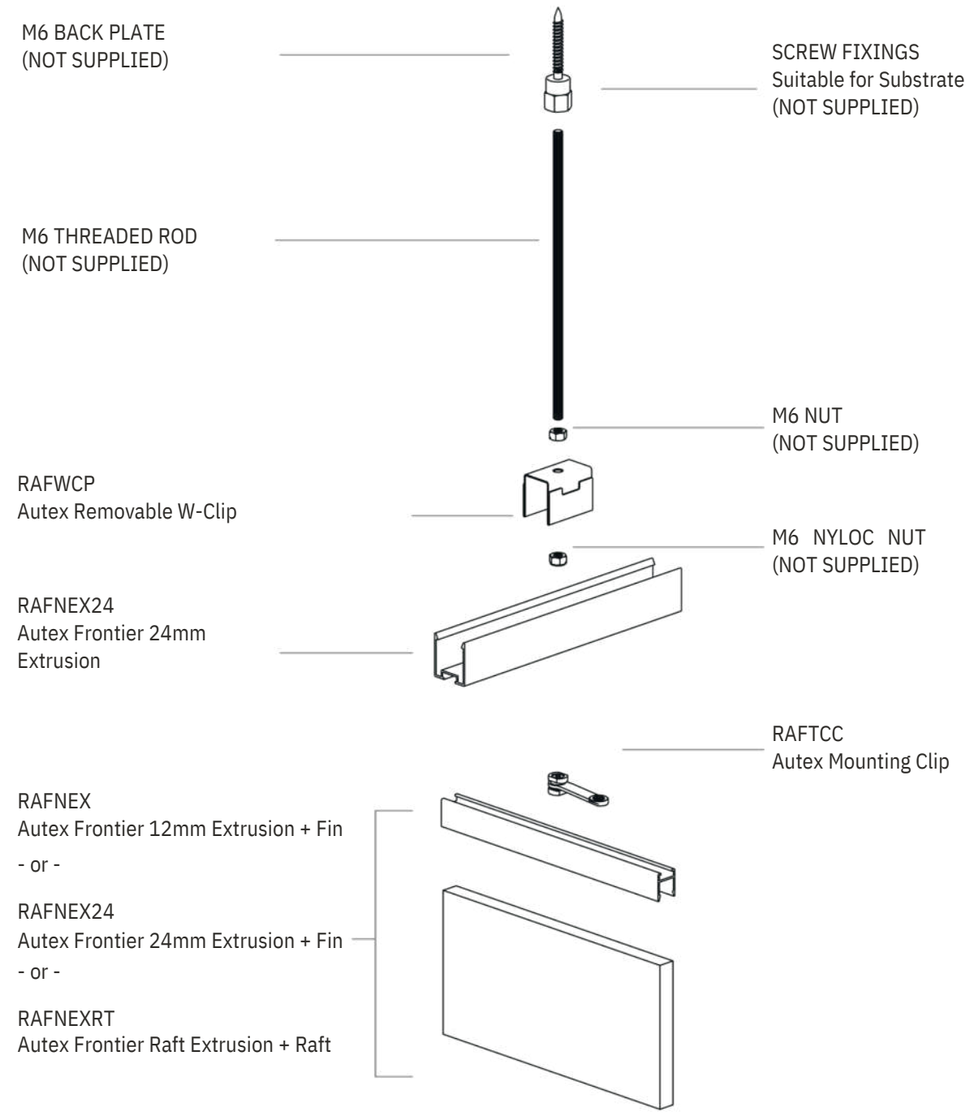


NOTE: This suspension method is
suitable for individual fins only.
Requires 1x RAHVAS set per fin.
For larger installations refer to pages 7-11.

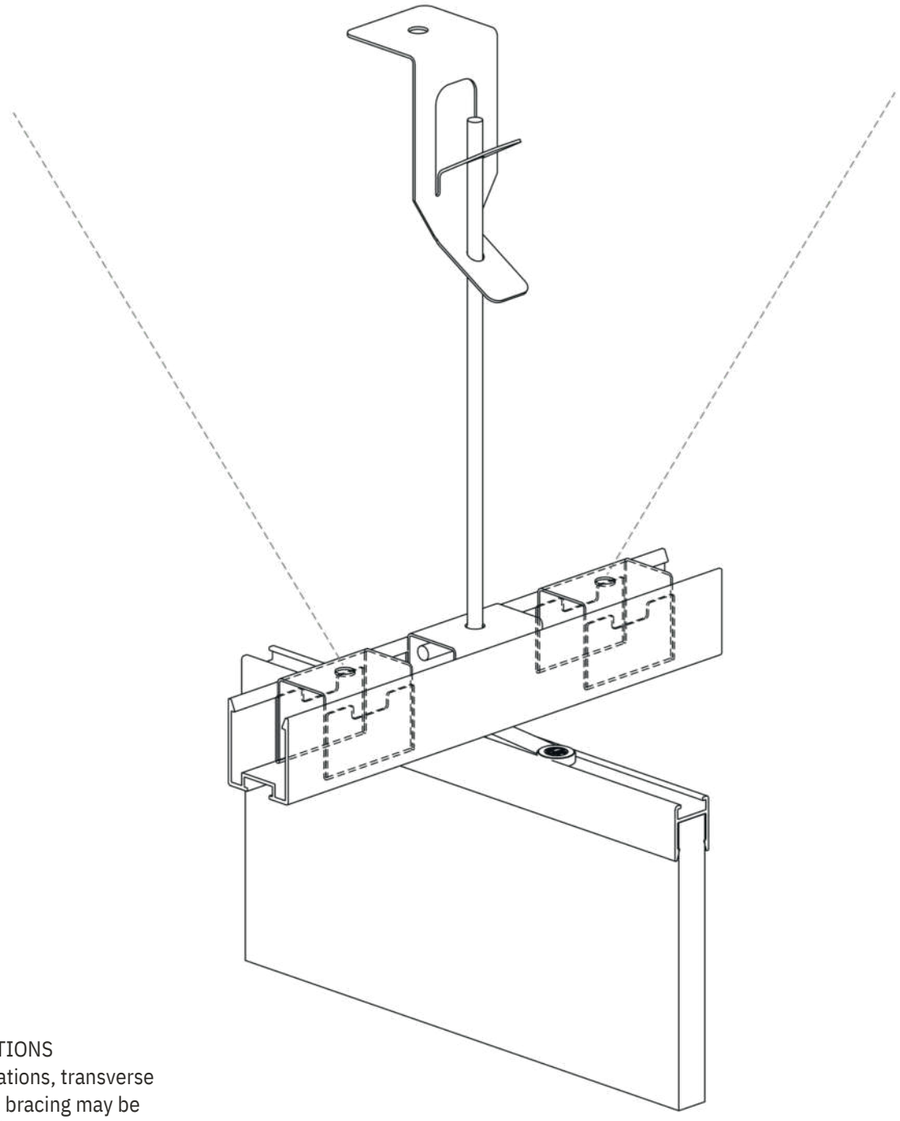
Suggested Ceiling Fixing Detail		
Substrate	Fixing	Minimum Embedment
Concrete	Hilti-HUS3-HR6	40mm
Steel	Stainless Steel 8G Tek Screw	0.55mm
Timber	Stainless Steel 8G Wood Screw	30mm



SEISMIC CONSIDERATIONS
For certain size installations, transverse and longitudal seismic bracing may be required (dashed lines). See suggested bracing option on page 11.



Suggested Ceiling Fixing Detail		
Substrate	Fixing	Minimum Embedment
Concrete	Hilti-HUS3-HR6	40mm
Steel	Stainless Steel 8G Tek Screw	0.55mm
Timber	Stainless Steel 8G Wood Screw	30mm

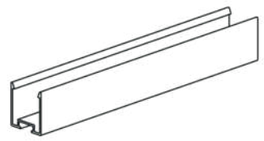


SEISMIC CONSIDERATIONS
For certain size installations, transverse and longitudal seismic bracing may be required (dashed lines). See suggested bracing option on page 11.

RONDO 547
Adjustable Suspension Hanger

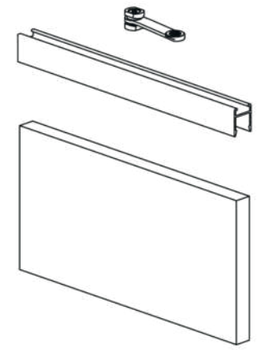
RONDO 121
5mm Soft Galvanised Suspension Rod

RAFWCP
Autex Removable W-Clip



RAFNEX24
Autex Frontier 24mm Extrusion

RAFTCC
Autex Mounting Clip



RAFNEX
Autex Frontier 12mm Extrusion + Fin

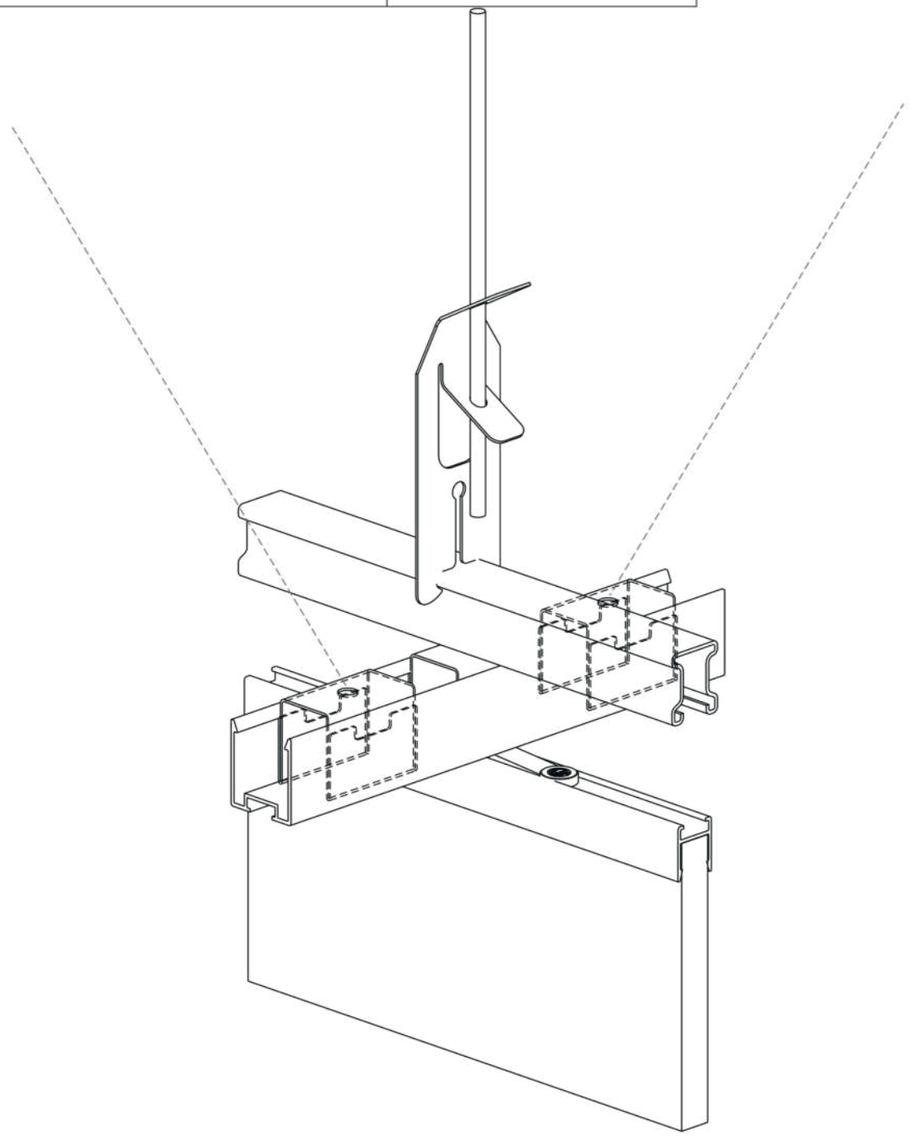
- or -

RAFNEX24
Autex Frontier 24mm Extrusion + Fin

- or -

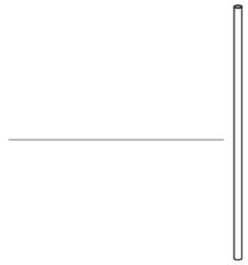
RAFNEXRT
Autex Frontier Raft Extrusion + Raft

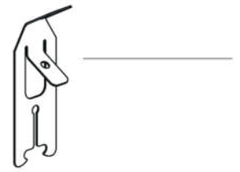
Suggested Ceiling Fixing Detail		
Substrate	Fixing	Minimum Embedment
Concrete	Hilti-HUS3-HR6	40mm
Steel	Stainless Steel 8G Tek Screw	0.55mm
Timber	Stainless Steel 8G Wood Screw	30mm



SEISMIC CONSIDERATIONS
For certain size installations, transverse and longitudal seismic bracing may be required (dashed lines). See suggested bracing option on page 11.

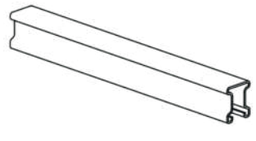
RONDO 121
5mm Soft Galvanised
Suspension Rod





RONDO 2534
Top Cross Rail Suspension
Clip

RONDO TCR 127
25mm Top Cross Rail

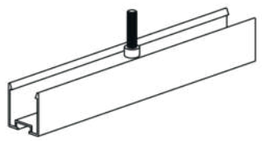


RONDO 119
U Clip

RAFWCP
Autex Removable
W-Clip

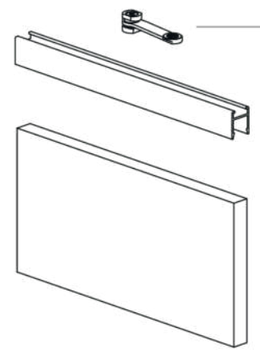
M6 X 20 SOCKET HEAD
CAP SCREW
(NOT SUPPLIED)

RAFNEX24
Autex Frontier 24mm
Extrusion

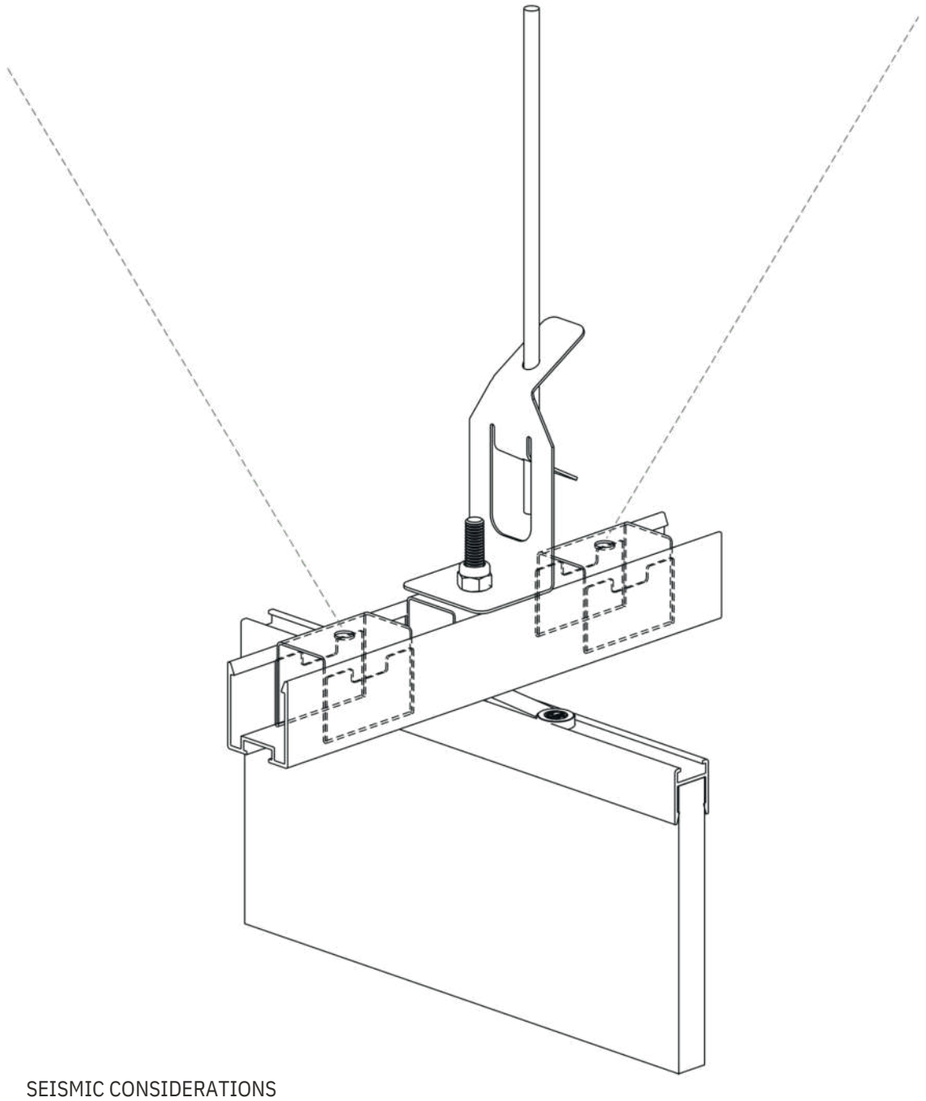


RAFTCC
Autex Mounting Clip

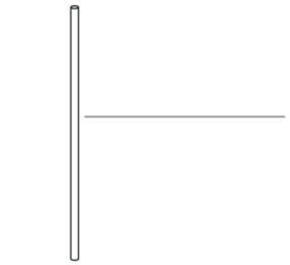
RAFNEX
Autex Frontier 12mm Extrusion + Fin
- or -
RAFNEX24
Autex Frontier 24mm Extrusion + Fin
- or -
RAFNEXRT
Autex Frontier Raft Extrusion + Raft



Suggested Ceiling Fixing Detail		
Substrate	Fixing	Minimum Embedment
Concrete	Hilti-HUS3-HR6	40mm
Steel	Stainless Steel 8G Tek Screw	0.55mm
Timber	Stainless Steel 8G Wood Screw	30mm



SEISMIC CONSIDERATIONS
For certain size installations, transverse and longitudal seismic bracing may be required (dashed lines). See suggested bracing option on page 11.



RONDO 121
5mm Soft Galvanised
Suspension Rod

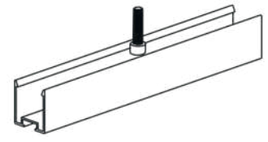
M6 NYLOCK NUT
(NOT SUPPLIED)

RONDO 547
Adjustable Suspension
Hanger

RAFWCP
Autex Removable W-Clip

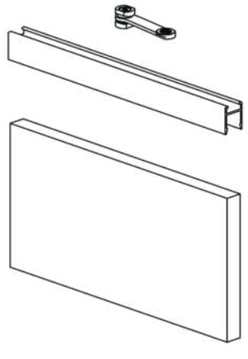
M6 X 20 SOCKET HEAD CAP
SCREW
(NOT SUPPLIED)

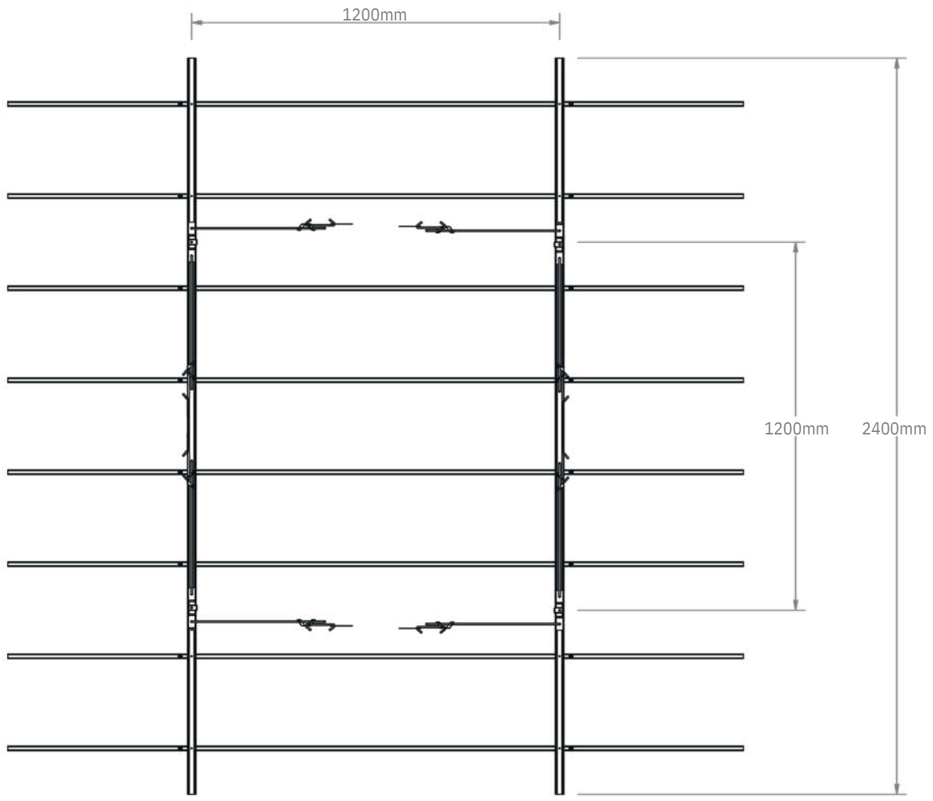
RAFNEX24
Autex Frontier 24mm
Extrusion

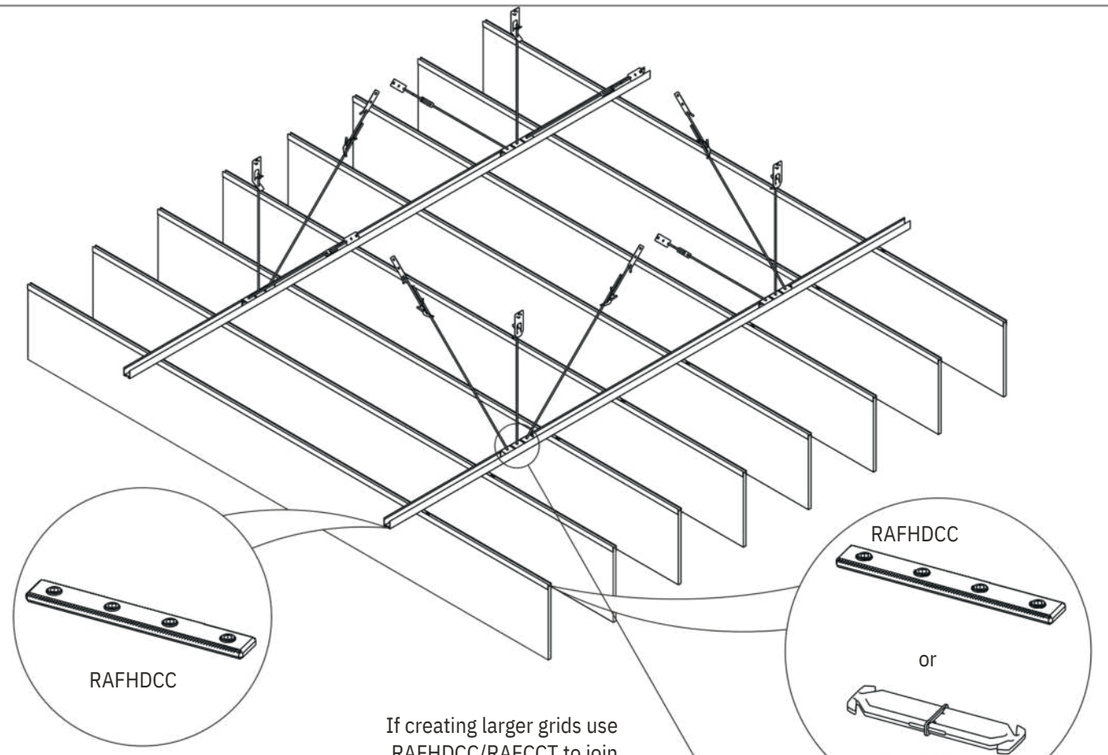


RAFTCC
Autex Mounting Clip

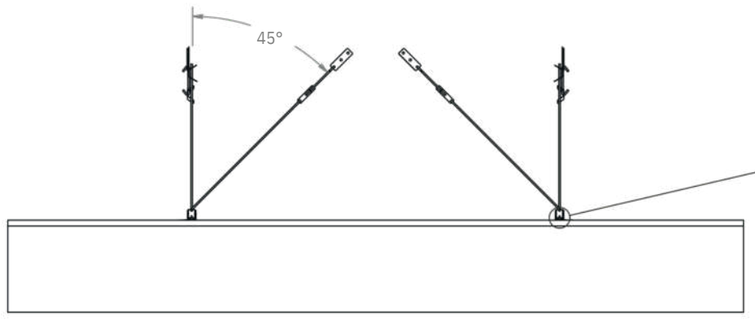
RAFNEX
Autex Frontier 12mm Extrusion + Fin
- or -
RAFNEX24
Autex Frontier 24mm Extrusion + Fin
- or -
RAFNEXRT
Autex Frontier Raft Extrusion + Raft

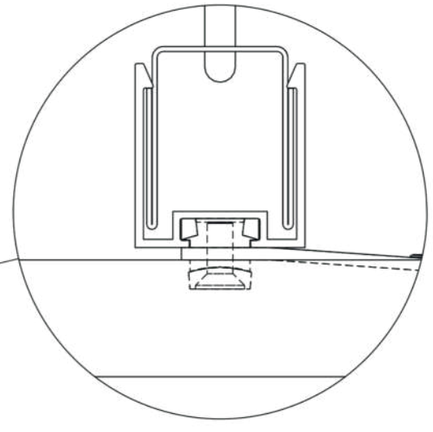






If creating larger grids use RAFHDCC/RAFCCT to join rails/cross rails





RAFWCP
Autex Removable W-Clip

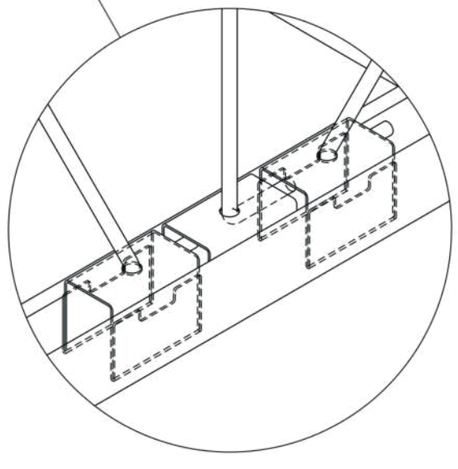
RAFNEX24 (used as crossrail)
Autex Frontier 24mm Extrusion

RAFTCC
Autex Mounting Clip

RAFNEX
Autex Frontier 12mm Extrusion + Fin
- or -

RAFNEX24
Autex Frontier 24mm Extrusion + Fin
- or -

RAFNEXRT
Autex Frontier Raft Extrusion + Raft



Additional Autex W Clips act as interface between bracing and channel

*This method is suitable for individual fins only

*This method may require re-enforcement of grid

5. HANGING METHOD

DIRECT TO CABLE SUSPENSION

CAM CLIP SCREW FIX TO CEILING

CROSS RAIL SCREW FIX TO CEILING

CROSS RAIL W-CLIP SCREW FIX TO CEILING

CROSS RAIL W-CLIP TO CABLE SUSPENSION

CROSS RAIL W-CLIP TO 24mm CEILING GRID

CROSS RAIL W-CLIP TO M6 THREADED ROD

CROSS RAIL W-CLIP TO RONDO 119 INTO 127 TCR

CROSS RAIL W-CLIP TO RONDO SUSPENSION

Nut not supplied by Autex

4. W-CLIP

RAFWCP
Autex Removable W-Clip

3. CROSS RAIL

RAFNEX24
Frontier 24mm Extrusion (used as cross rail)

2. INTERFACE

RAFTCC
Autex Mounting Clip

1. FIN TYPE

RAFNEX
Frontier 12mm Extrusion

RAFNEX24
Frontier 24mm Extrusion

RAFNEXRT
Frontier Raft Extrusion

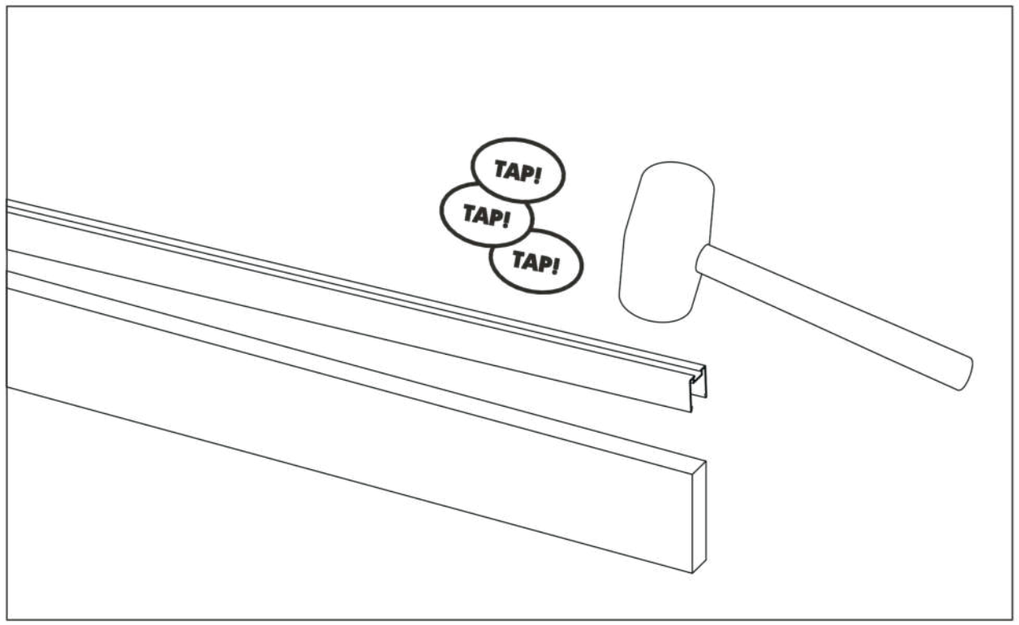
GUIDE

Starting with your predetermined Fin/Raft option (bottom), choose your installation path above which indicates components required.

——— Autex Component

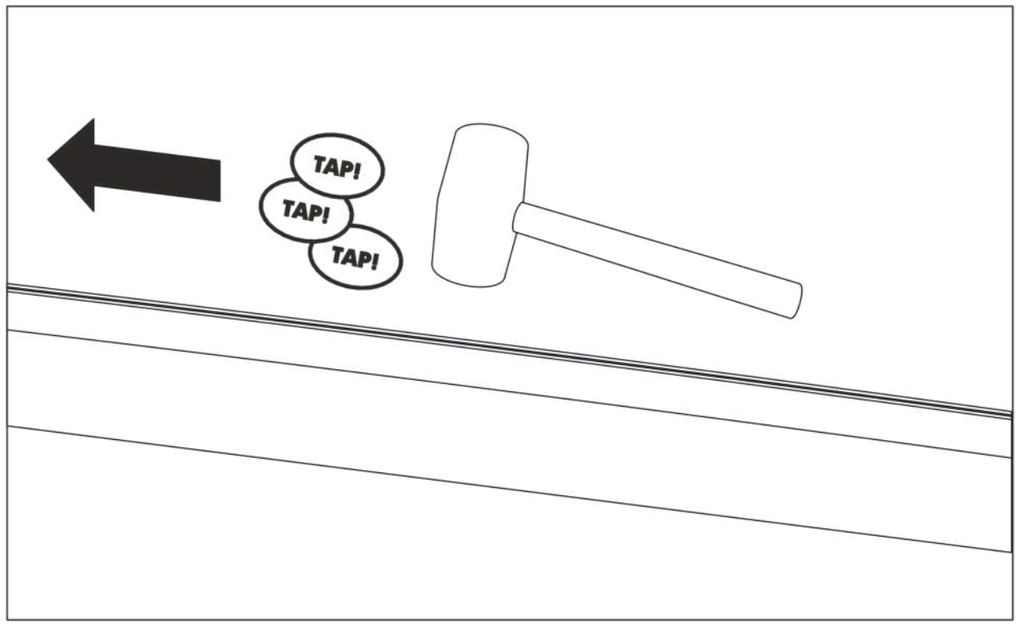
--------- 3rd Party Component

1.



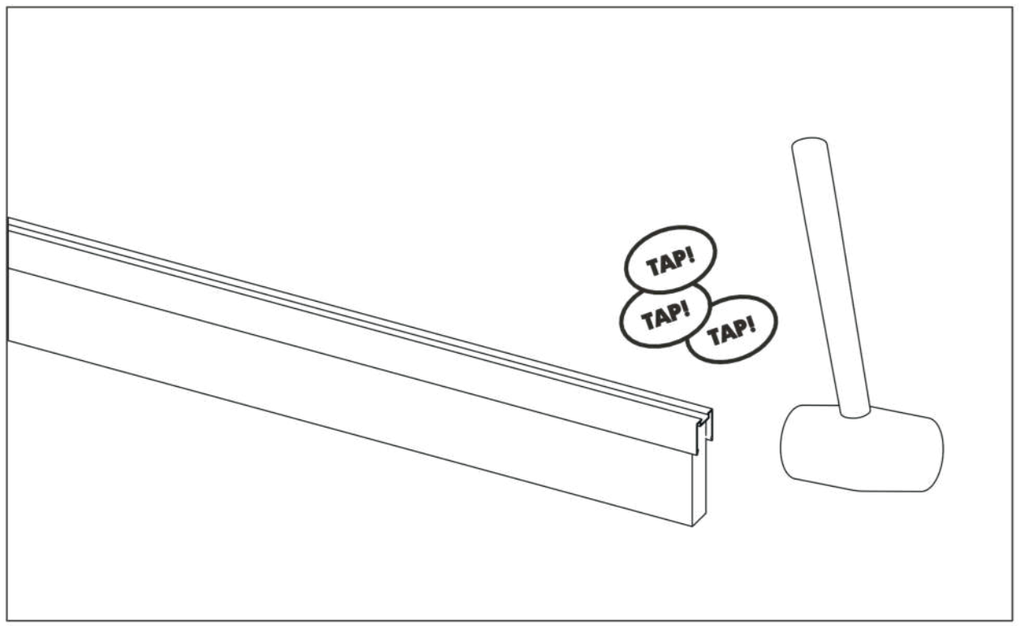
Using a rubber mallet, seat the channel onto the fin.

2.



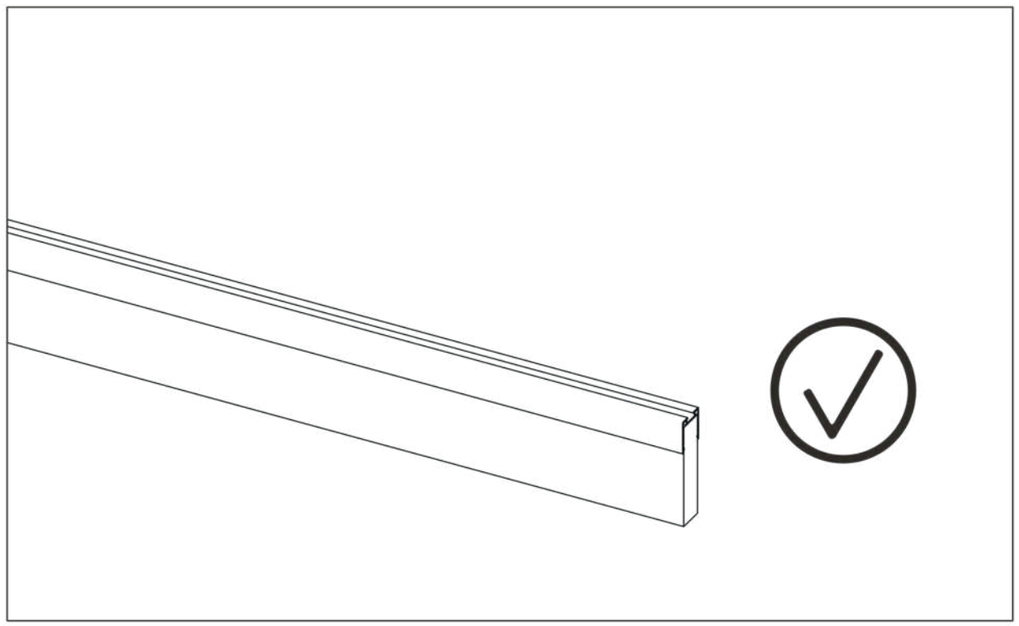
Starting at one end and using the mallet, tap along the length of the channel to ensure there is no bowing in the centre and the channel is seated correctly.

3.



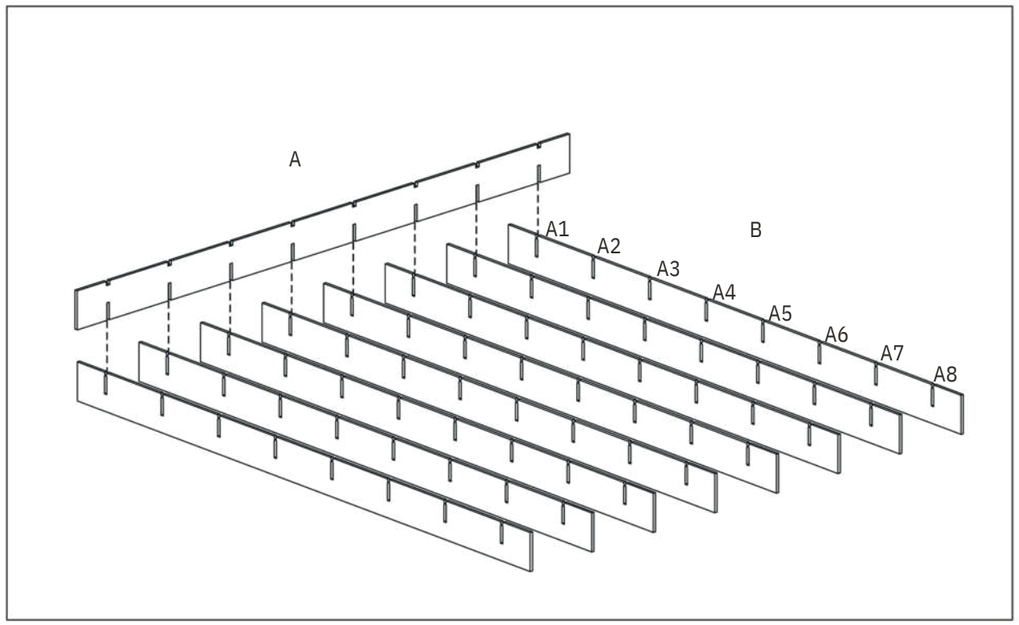
Ensure the end of the channel is aligned with the Frontier Fin by tapping the overhanging end of the extrusion.

4.



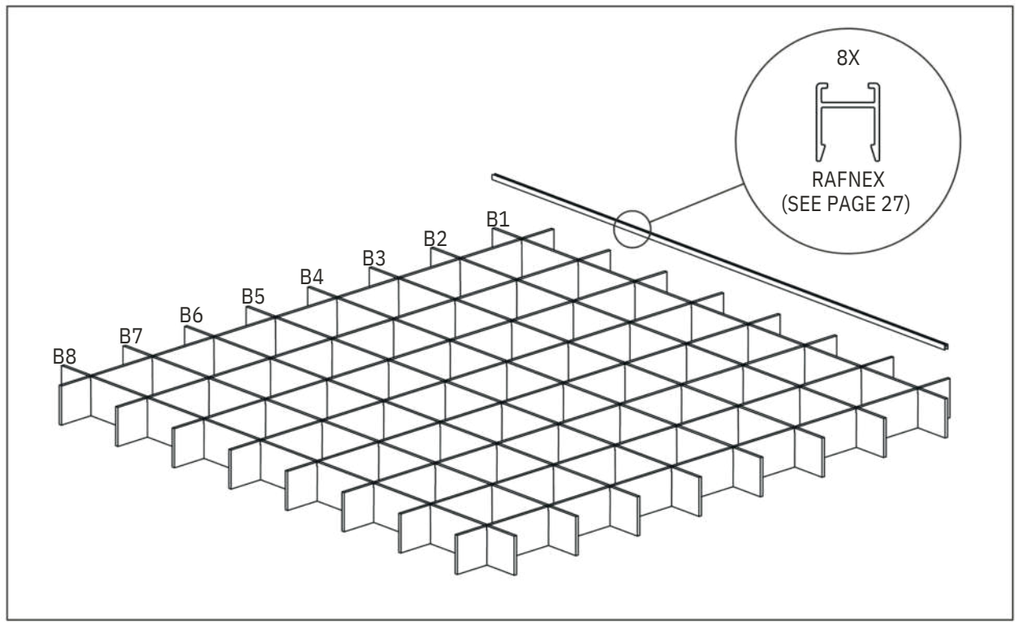
The Frontier Fin is now ready for installation to the ceiling.

1.



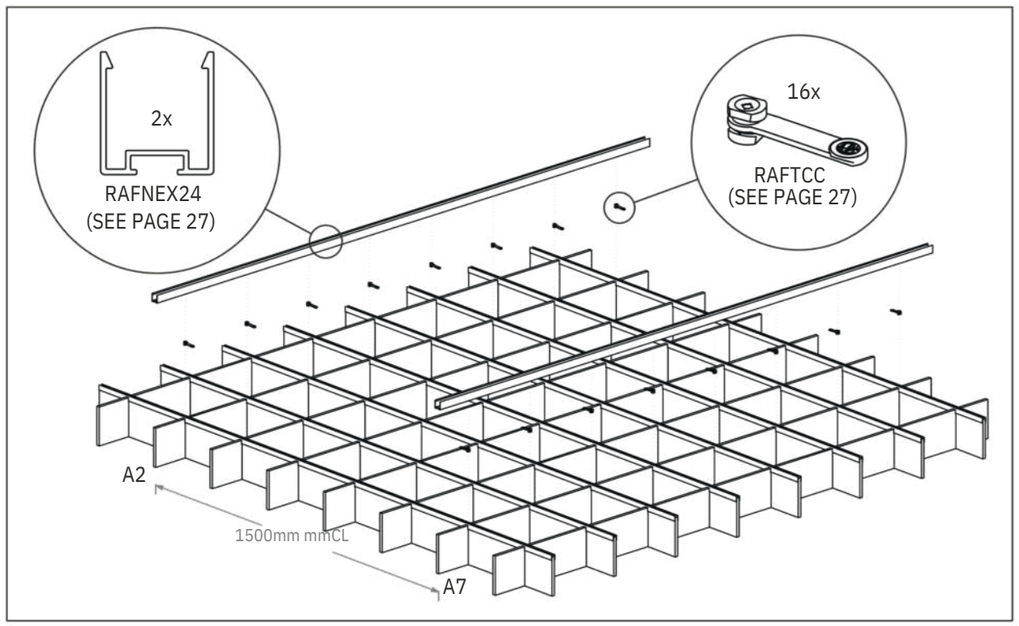
In the Frontier Axis pack there are two types of Fin (A and B). Part A has two notches and the small notch should be facing up when inserted into Part B.

2.



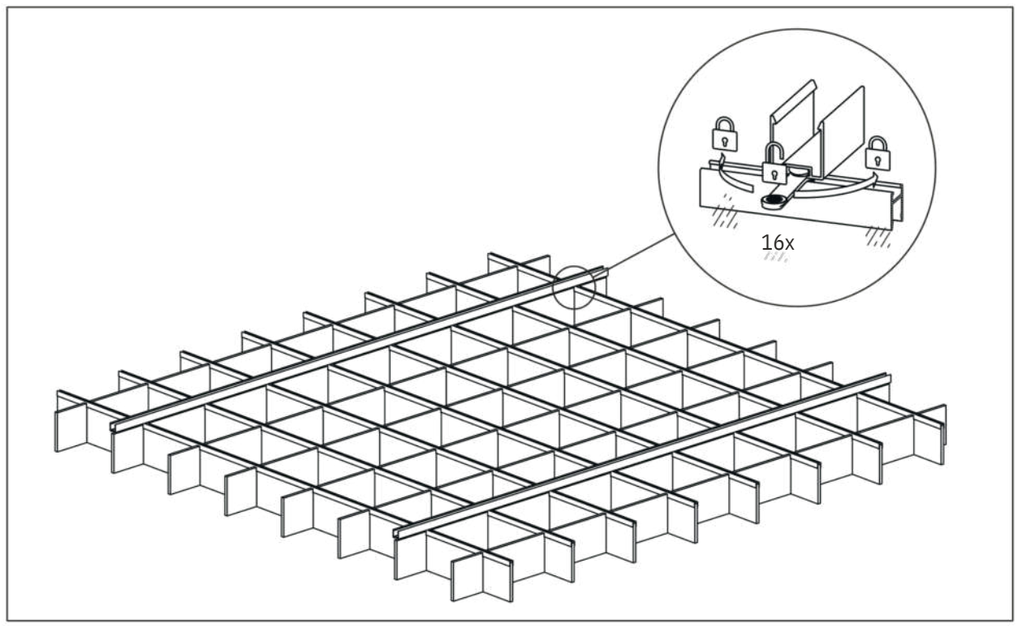
Using a rubber mallet, attach the 8x Rafnex channels along the lengths of the 'B' fins to lock the Axis Fins together in a grid.

3.



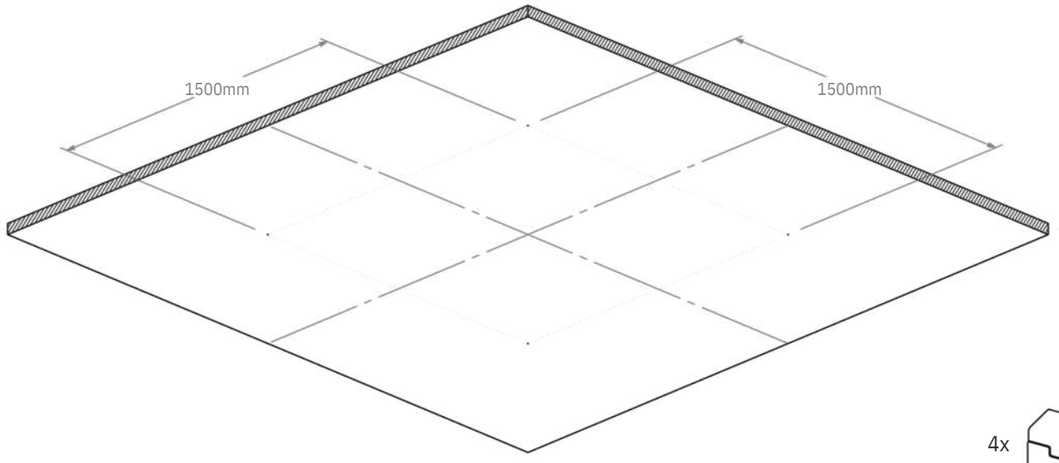
To attach the included 2x RAFNEX24 cross rails, first clip the 16x Autex Mounting Clips at the intersection points along the A2 and A7 Rails. Press the Crossrail onto the clips so they click into place.

4.



Twist the Autex Mounting Clips 90° to lock them off. The Frontier Axis Grid is now ready for installation to the ceiling.

CEILING SETOUT



*Can be replaced by a rigid suspension set if required. See pages 7-11 for suggested details

4x

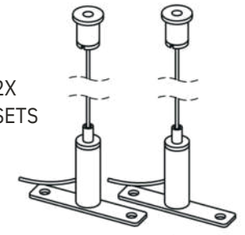
RAFWCP
(SEE PAGE 27)

4x

RAFWCP
(SEE PAGE 27)

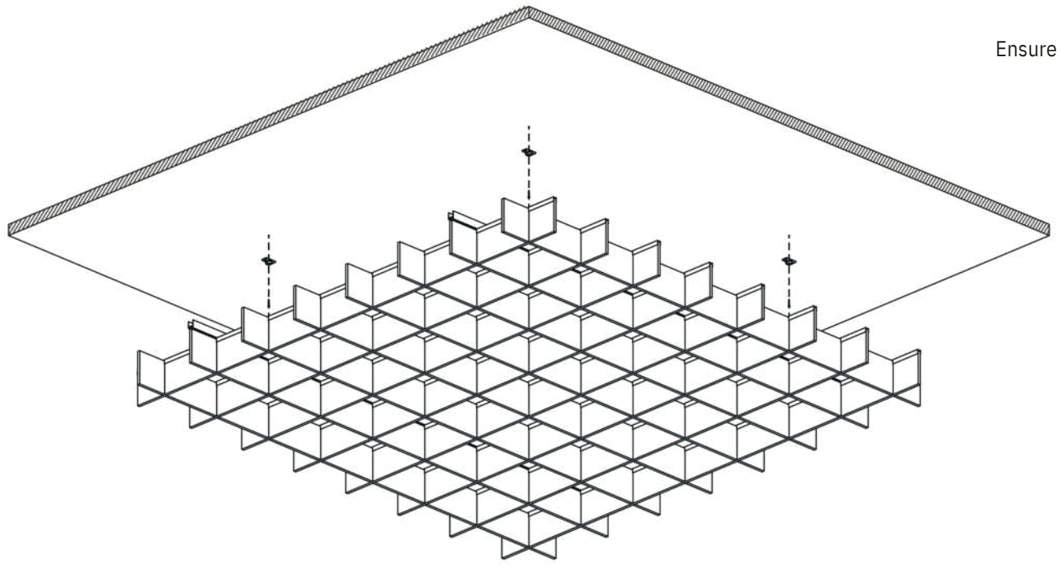
+

2X
SETS



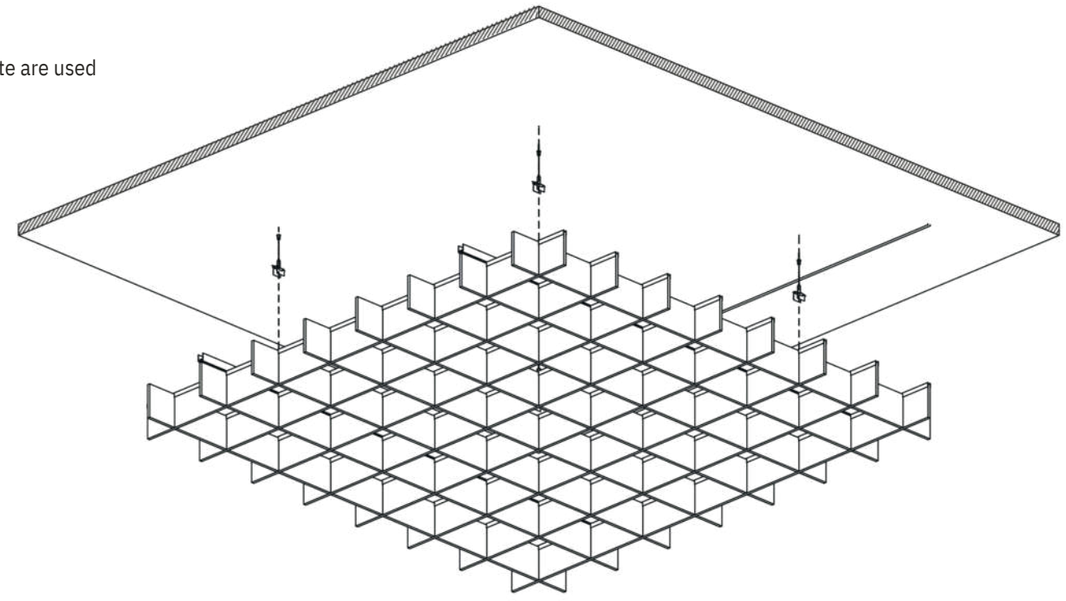
RAHVAS*
(SEE PAGE 27)

DIRECT FIX TO CEILING

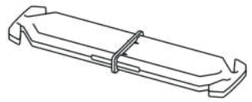


Ensure suitable fasteners for substrate are used
(NOT SUPPLIED)

SUSPENDED FROM CEILING

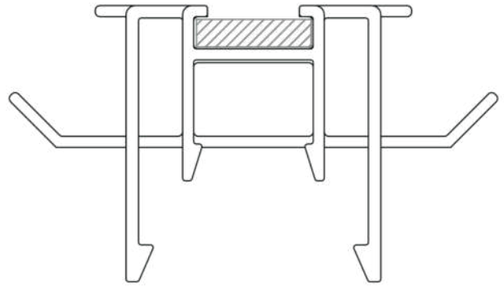


RAFCCT

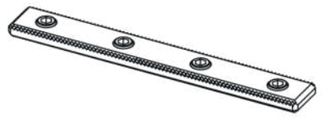


Light duty plastic connector used to join direct fixed rails.

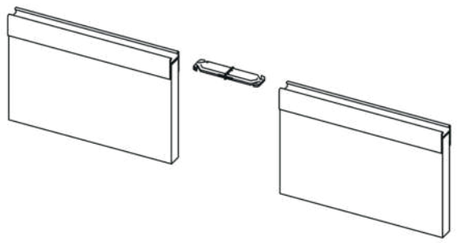
Both joiners are compatible with all extrusion sizes.

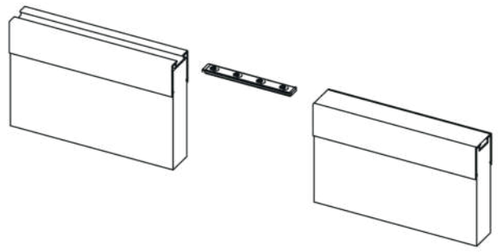


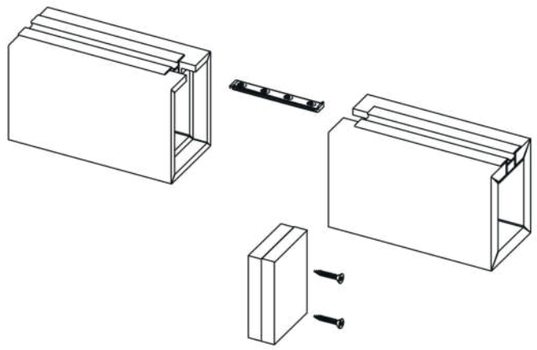
RAFHDCC



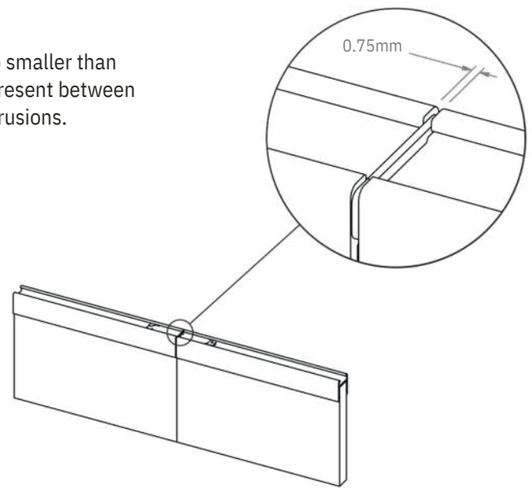
Heavy duty diecast connector with 4x grub screws used to join cross rails and/or suspended rails.



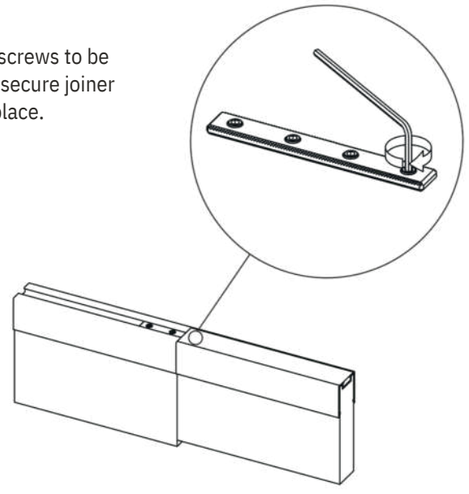




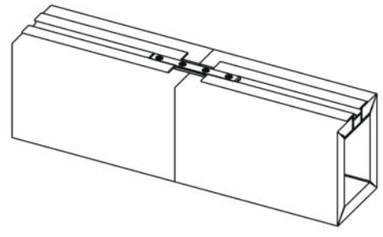
NOTE: A gap smaller than 1mm will be present between the extrusions.

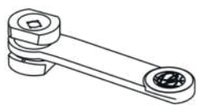


NOTE: Grub screws to be tightened to secure joiner in place.

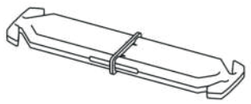


NOTE: In addition to joiner, screw the end caps together to create a cleaner join.

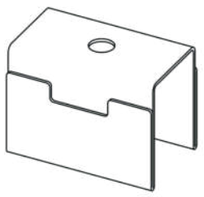




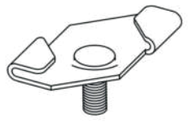
RAFTCC
Autex Mounting Clip



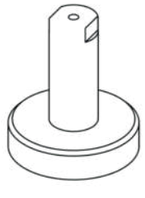
RAFCCT
Autex Frontier Channel Connector



RAFWCP
Autex Removable W-Clip

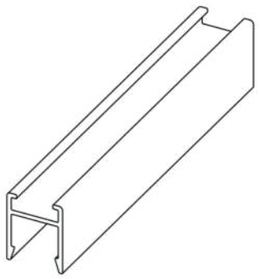


RAFM6GC
24mm Ceiling Grid Connector with
M6 Thread

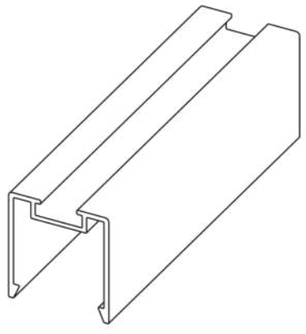


RAFM6MP
Magnet Pot with M6 Thread and
Cable Adaptor

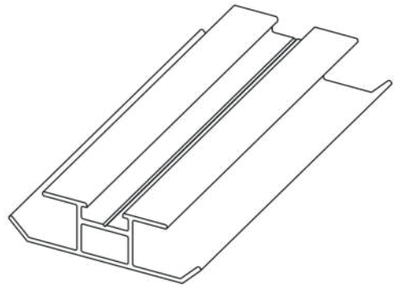
RAFHDCC
Autex Heavy Duty Frontier
Channel Connector with
4x M5 Grub Screws



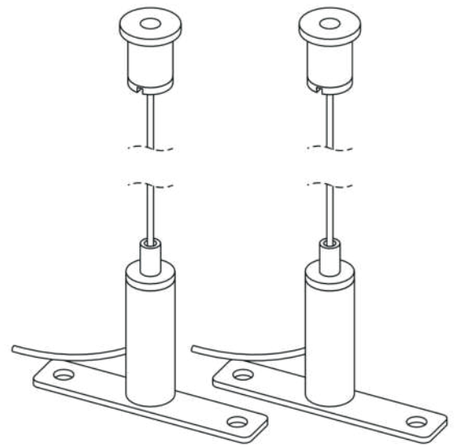
RAFNEX
Frontier 12mm Extrusion



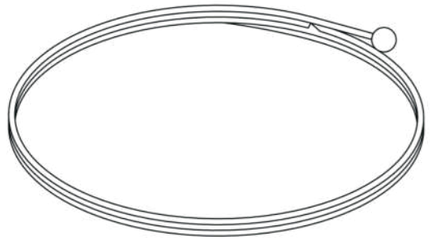
RAFNEX24
Frontier 24mm Extrusion



RAFNEXRT
Frontier Raft Extrusion

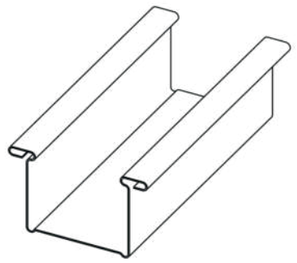


RAHVAS
Autex Adjustable
Suspension Set 1m
cable - Channel Connection



3m Steel Cable with Ball
End

*Not supplied by
Autex, speak to Autex
Account Manager for
supplier options.

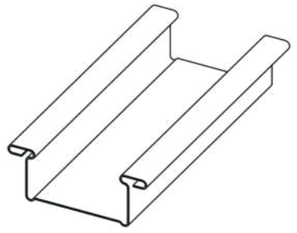


RONDO 129
28mm Furring Channel

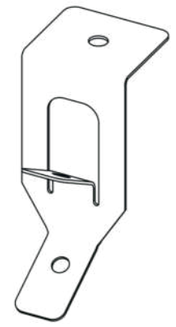
RONDO 2534
Top Cross Rail
Suspension Clip

RONDO 121
5mm Soft Galvanised Suspension
Rod

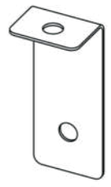
RONDO 719
Adjustable
Suspension Clip



RONDO 308
16mm Furring Channel

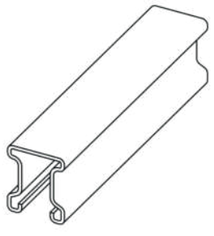


RONDO 547
Adjustable Suspension Hanger
(Concrete)



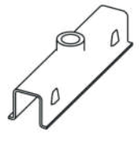
RONDO 247
121 to Concrete

RONDO 274
121 to Timber
/Steel Joist



RONDO TCR 127
25mm Top Cross Rail

RONDO 534
Adjustable Suspension Hanger
(Purlins)

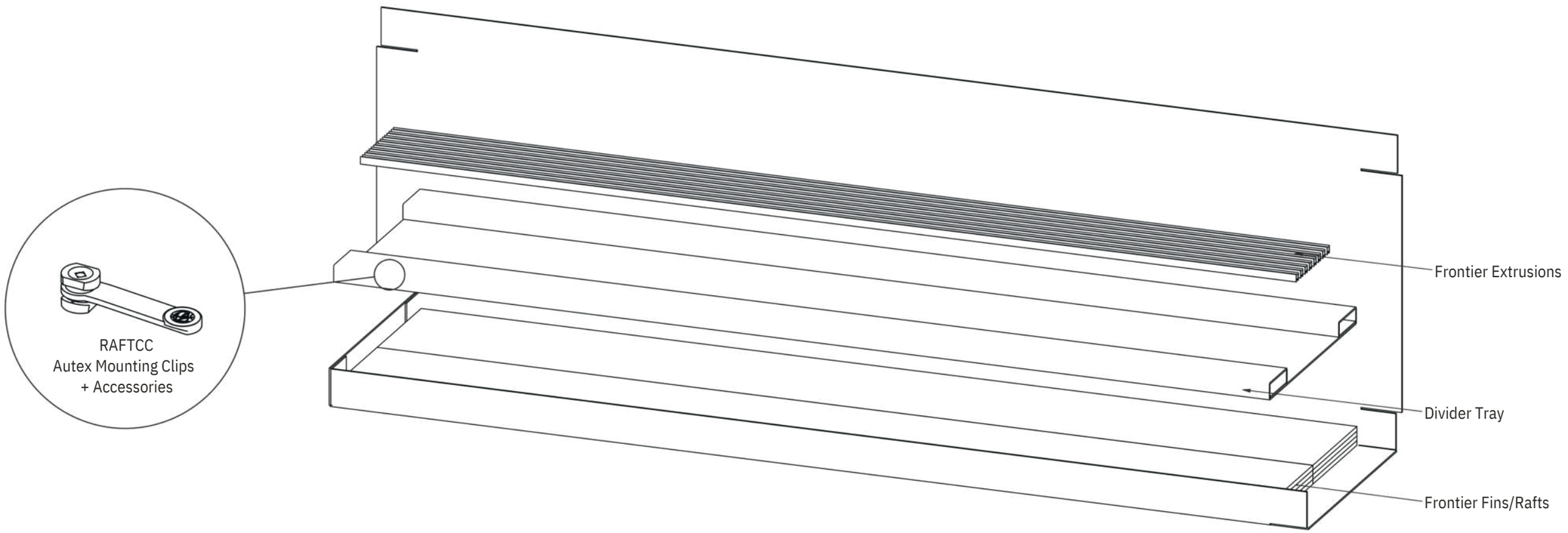


RONDO 119
U Clip

NOTE

Rondo components are supplied by a 3rd party and may not be available in all territories.

Other brands may have comparable components. Check with your account manager.



STYLE	FIN LENGTH (mm)	FIN THICKNESS (mm)	FIN DEPTH** (mm)	FIN SPACING (mm)	FINS PER PACK	MOUNTING CLIPS	AREA PER PACK (m²)
TUNDRA	2400	12	100	100	24	48	5.76
	2400	12	150	150	16	32	5.76
	2400	12	200	200	12	24	5.76
	2400	12	300	300	8	16	5.76
	2400	24	100	100	12	24	2.88
	2400	24	150	150	8	16	2.88
	2400	24	200	200	6	12	2.88
	2400	24	300	300	4	8	2.88
WAVE/DRAPE/ RIPPLE/GLIDE	2400	12	150	150	16	32	5.76
	2400	24	150	150	16	32	5.76
DUNE/SIERRA/TALUS	2400	12	300*	300	8	16	5.76
	2400	24	300*	300	4	8	2.88
AXIS	2400	12	150	300	16	16	5.76

RAFT STYLE	RAFT LENGTH (mm)	RAFT WIDTH (mm)	RAFT DEPTH** (mm)	RAFT SPACING (mm)	RAFTS PER PACK	MOUNTING CLIPS	AREA PER PACK (m²)
BEAM 100	2400	70	87	150	8	16	2.88
BEAM 250	2400	70	227	300	4	8	2.88
BLADE	2400	70	247	300	4	8	2.88
TRAPEZOID	2400	200	137	300	4	8	2.88

*The Fin Depth of DUNE/SIERRA/TALUS fins vary but average out to 300mm **Fin/Raft Depth is inclusive of extrusion