



Geoline

Balustrade Fixing Spans

U Channel

Wind Region B Max Length
Wind Region C Max Length

Building Beautiful Forever™

100mm Channel (KESC13050)

Part	Length
KEGRP5010016	4000
KEGR5010030	4800
KEGT5010025	4100

50mm Channel (KESC8050)

Part	Length
KEGR255030	2900
KEGSP505016	3600
KEGT505022	4600
KEGRP5010016	4000
KEGR5010030	4800
KEGT5010025	4100

Connection Type	Minimum Requirement for Supporting Members	Required Fixing to Supporting Members	Maximum Spacing
Battens to Channel	2.0mm Thick Channel	2 No. 12g Stainless Steel Tek Screws (Grade 304)	Max. 150mm centres and at ends of channel
Channel to Steel	0.55mm BMT, G450 Cold-formed Steel 3mm Thick Plate/Flange. G250 Steel	1No. 12g Stainless Steel Tek Screw (Grade 304). Min. 10mm edge distance.	Max. 600mm centres and at ends of channel
Channel to Timber	JD5 Joint Group	1 No.14g Stainless Steel Type 17 Screws (Grade 304). Fix to side grain. Min. 45mm embedment depth, 35mm edge distance (perpendicular to load) and 65mm end distance (parallel to load).	Max. 150mm centres and at ends of channel
Channel to Concrete	N25 Concrete, 100mm Thick	1No. M8 Ramset Trubolt Stud Anchor A4 316 SS T08055SSA. Min. 100mm edge distance and 55mm effective embedment depth to concrete.	Max. 250mm centres and at ends of channel

NB. Dissimilar metals shall be isolated from one another where dissimilar metal corrosion can occur.

Tables are a guide only - please consult the following engineering for full details.

100mm Channel (KESC13050)

Part	Length
KEGRP5010016	3000
KEGR5010030	3000
KEGR10050	3000

50mm Channel (KESC8050)

Part	Length
KEGR255030	2400
KEGSP505016	3000
KEGT505022	3000
KEGRP5010016	3000
KEGR5010030	3000

Connection Type	Minimum Requirement for Supporting Members	Required Fixing to Supporting Members	Maximum Spacing
Battens to Channel	2.0mm Thick Channel	2 No. 12g Stainless Steel Tek Screws (Grade 304)	Max. 150mm centres and at ends of channel
Channel to Steel	0.55mm BMT, G450 Cold-formed Steel 3mm Thick Plate/Flange. G250 Steel	1No. 12g Stainless Steel Tek Screw (Grade 304). Min. 10mm edge distance.	Max. 800mm centres and at ends of channel
Channel to Timber	JD5 Joint Group	1 No.14g Stainless Steel Type 17 Screws (Grade 304). Fix to side grain. Min. 45mm embedment depth, 35mm edge distance (perpendicular to load) and 65mm end distance (parallel to load).	Max. 200mm centres and at ends of channel
Channel to Concrete	N25 Concrete, 100mm Thick	1No. M8 Ramset Trubolt Stud Anchor A4 316 SS T08055SSA. Min. 100mm edge distance and 55mm effective embedment depth to concrete.	Max. 400mm centres and at ends of channel

NB. Dissimilar metals shall be isolated from one another where dissimilar metal corrosion can occur.

Tables are a guide only - please consult the following engineering for full details.