

# Connolly Key Joints

## Technical Datasheet



Connolly Key Joints are a continuous pour solution for contraction joints in slab on ground applications. Designed for footpath, cycleways, driveways and any other urban concrete pavement.

Connolly Key Joints are a roll-formed galvanised steel section used as a leave-in-place formwork to control shrinkage induced cracking. The profile is fixed in place using the patented peg and wedge system.

Our unique tongue profile provides positive load transfer with minimal stepping. For higher load applications the preformed knock-outs allow Key Joints to be used in conjunction with Connolly Universal Dowel Sleeves (UDS). The Universal Dowel Sleeves are installed in the steel section using the patented twist-fix feature.

Key Joints are available in 3m length for slab thicknesses from 100mm to 200mm. Custom heights and lengths are available on request.

Cappings are available to be used with Connolly Key Joints.

### Features:

- Enables continuous pours
- 3 different profile heights
- Knockouts to accommodate a range of dowel sizes
- Minimises tripping hazard caused by tree roots or soil heave
- Patented wedge fixing mechanism allows fast and accurate height adjustment
- Additional stiffening ribs to ensure straighter joints
- Galvanised coating for corrosion protection
- Can be used to screed off which makes getting the right level quick and easy
- Cappings available
- Minimise liability risks from slip and trip claims

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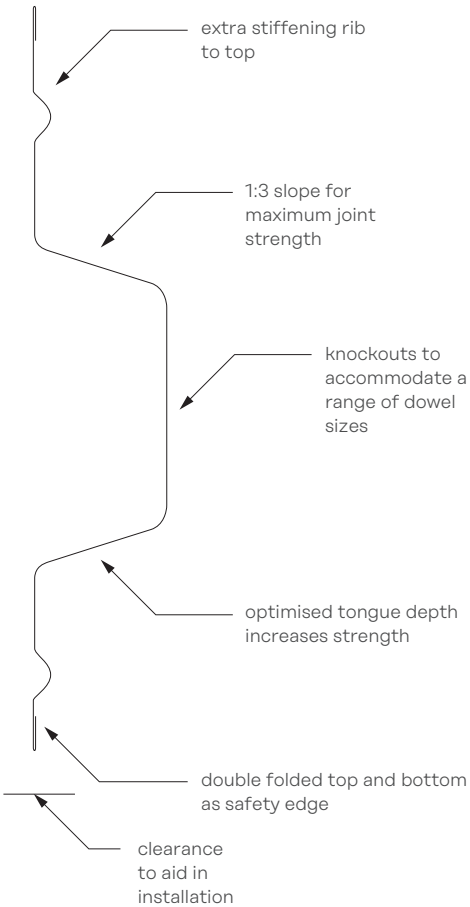
### Specifications

Product	KJ100	KJ150	KJ200
Properties			
Description	Key Joint for 100mm slab	Key Joint for 150mm slab	Key Joint for 200mm slab
Slab Thickness (mm)	100	150	200
Profile Heights (mm)	90	135	180
Length (m)	Standard length of 3 metres		
Knock-out Holes	Round holes dia 21mm at 150mm centres	Knock-out holes to suit UDS Sleeves at 150mm centres	
Material	Galvanised Z275	Galvanised Z275	Galvanised Z275
Pegs & Wedges	1 pack of 4 per 3.00m length		
Peg Dimensions	8mm x 390mm	8mm x 390mm	8mm x 390mm

Packaging Details for 3m Key Joint				
Item Code	Description	Dimensions (mm)	Weight (kg)	Quantity
KJ100	Key Joint Lengths	3040 x 300 x 125	75	50
KJ150	Key Joint Lengths	3040 x 300 x 155	125	50

KJ200	Key Joint Lengths	3040 x 370 x 165	175	50
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### Key Joint Profile



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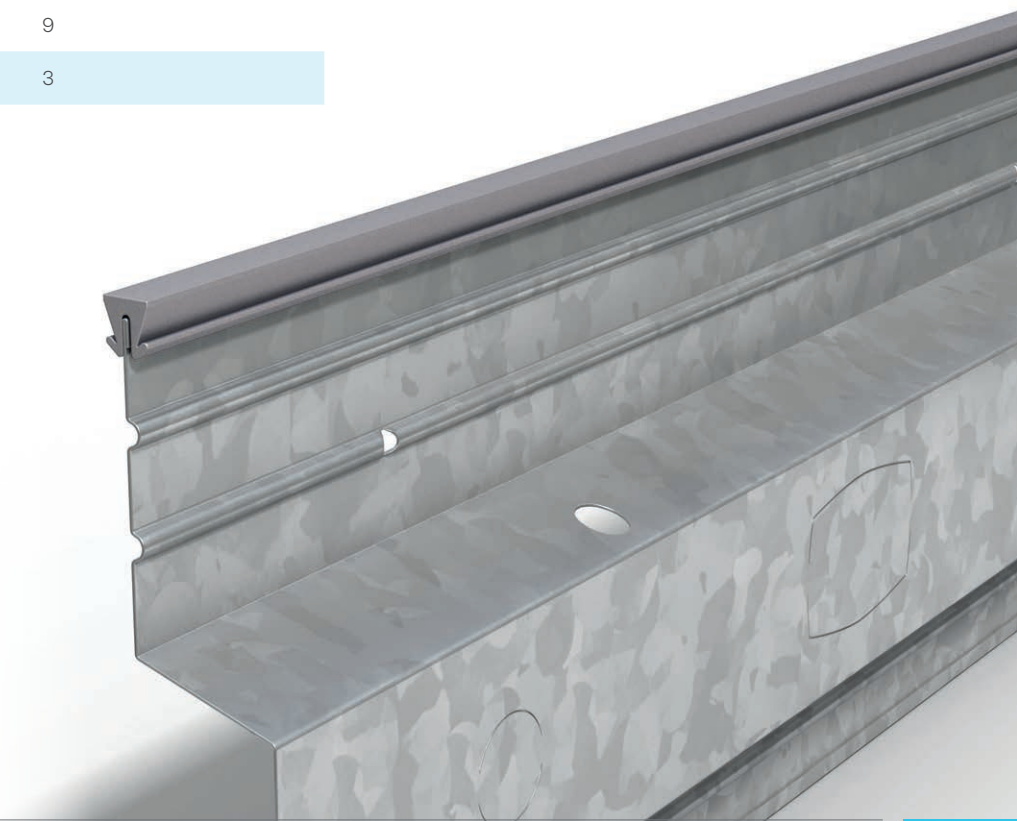
### Connolly Key Joint Capping Range

#### Permanent Capping

Permanent Caps are flexible, UV Stabilised, PVC caps that are installed on the top of the joint profile. These caps are supplied in 24m rolls.

### Connolly Key Joint Capping Range Specifications

Permanent Capping	
<div>Product</div> 	
	KJCAPR-GREY
<div>Properties</div>	
Description	Permanent Cap Grey
Material	UV stabilised Poly Vinyl Chloride
Length (m)	24m-roll
Width (mm)	9
Set down (mm)	3



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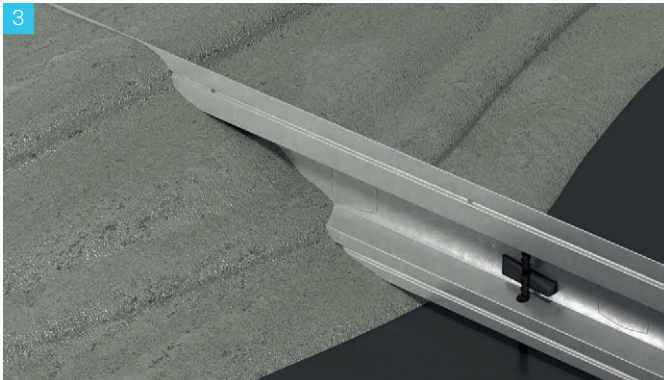
### Installation Instructions



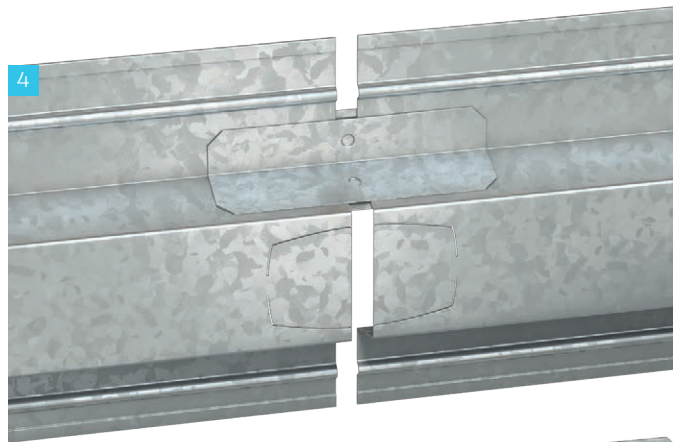
Point key joint in desired location and drive in the supplied pegs. Note that the **longest flange** of the key joint always goes **to the top**.



Adjust the key joint to the correct height and secure by tapping in the supplied wedges. If capping strips are to be used allow the appropriate set down distance and apply capping strip prior to pouring concrete.



Place the reinforcement and pour the concrete over the key joint. Finish concrete surface to the top of the joint (**not above it**). Always pour concrete evenly to both sides of the joint and ensure concrete is compacted into the keyways.



Use KJ Joiner to connect multiple Key Joint Profiles in situations where the joint is longer than the profile length of 3m.

