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DESIGN MANUFACTURE PRINT

WELDITNFS.COM



# WELDIT KEY CLAMP RANGE

Our range of Key Clamp fittings offers a simple, cost-effective way to build strong, modular tube structures without welding. Using a secure grub screw system, these galvanised fittings allow for quick assembly and reliable connections across a wide range of applications.

At Weldit, we stock a full selection of Key Clamp components, including tee connectors, elbows, crosses, flanges, swivels and handrail brackets, along with compatible mild steel tube and end caps. Ideal for handrails, safety barriers, shelving and custom frameworks.







## 101B TEE CONNECTOR / SHORT

90° short tee fitting for connecting two tubes, typically used on straight, level guardrails to join a vertical post to a top, mid or end rail. Not suitable for through-tube connections at the top—use the KC104B long tee instead.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.31kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 48.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 49.0mm            | <b>Product Code:</b> KCS-33.7-TCS  |
| <b>Material:</b> Malleable Iron | <b>Barcode:</b> 5061063311859      |



## 104B TEE CONNECTOR / LONG

90° long tee fitting for connecting two tubes, typically used on straight, level guardrails to join a vertical post to the top rail. Also suitable for through-tube connections at the top of the fitting.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.5kg            | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 96.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 48.0mm            | <b>Product Code:</b> KCS-33.7-TCL  |
| <b>Material:</b> Malleable Iron | <b>Barcode:</b> 5061063311866      |







## 116B ELBOW CONNECTOR / 90° (3 WAY)

90° corner joint with the vertical tube passing through the fitting. Typically used on straight, level guardrails to connect mid or lower rails to a vertical post at a corner. Also suitable for similar connections in rectangular structures.

### SPECIFICATIONS

|                                    |                                       |
|------------------------------------|---------------------------------------|
| <b>Weight:</b> 0.4kg               | <b>To Suit Tube:</b> 33.7mm           |
| <b>Length:</b> 48.0mm              | <b>Product Code:</b> KCS-33.7-90-3WAY |
| <b>Width:</b> 48.0mm               | <b>Barcode:</b> 5061063311705         |
| <b>Material:</b> Malleable Iron    |                                       |
| <b>Material Finish:</b> Galvanised |                                       |



## 124B ELBOW CONNECTOR / ADJUSTABLE 15-60°

Variable angle elbow connector (15°–60°) used to join two rails without bending the tube. Also suitable for use at the base of slopes or stair guardrails to connect the top rail to a vertical post.

### SPECIFICATIONS

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Weight:</b> 0.37kg              | <b>To Suit Tube:</b> 33.7mm         |
| <b>Length:</b> 31.0mm              | <b>Product Code:</b> KCS-33.7-60-EC |
| <b>Width:</b> 31.0mm               | <b>Barcode:</b> 5061063311750       |
| <b>Material:</b> Malleable Iron    |                                     |
| <b>Material Finish:</b> Galvanised |                                     |



## 119B 2 SOCKET CROSS CONNECTOR WITH THROUGH CENTRE TUBE

90° joint connecting a vertical tube with two horizontal rails. Typically used on straight, level guardrails to join mid or lower rails to a vertical post. the vertical remains continuous, with the horizontal rails cut to suit.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.43kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 48.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 49.0mm            | <b>Product Code:</b> KCS-33.7-2SCC |
| <b>Material:</b> Malleable Iron | <b>Barcode:</b> 5061063311835      |



## 125B ELBOW CONNECTOR / 90°

90° elbow fitting for connecting two tubes, typically used on straight, level guardrails to join a vertical post to the top rail. Commonly used with the KC101B when building a two-rail guardrail system or forming a 90° tube bend.

### SPECIFICATIONS

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Weight:</b> 0.37kg              | <b>To Suit Tube:</b> 33.7mm         |
| <b>Length:</b> 48.0mm              | <b>Product Code:</b> KCS-33.7-90-EC |
| <b>Width:</b> 48.0mm               | <b>Barcode:</b> 5061063311736       |
| <b>Material:</b> Malleable Iron    |                                     |
| <b>Material Finish:</b> Galvanised |                                     |





## 128B CORNER CONNECTOR WITH THROUGH CENTRE TUBE

Three-way enclosed 90° corner joint, typically used on straight, level guardrails to connect top rails to a vertical post at a corner. Also suitable for creating enclosed corner joints in rectangular structures.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.51kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 48.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 48.0mm            | <b>Product Code:</b> KCS-33.7-CC   |
| <b>Material:</b> Malleable Iron | <b>Barcode:</b> 5061063311774      |



## 129B TEE CONNECTOR / ADJUSTABLE 30-60°

Adjustable tee (30°–60°) used to connect a vertical post to the top rail on sloping or staircase systems. Does not allow through-tube connections within the fitting.

### SPECIFICATIONS

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Weight:</b> 0.38kg              | <b>To Suit Tube:</b> 33.7mm         |
| <b>Length:</b> 66.0mm              | <b>Product Code:</b> KCS-33.7-30-TC |
| <b>Width:</b> 32.0mm               | <b>Barcode:</b> 5061063311811       |
| <b>Material:</b> Malleable Iron    |                                     |
| <b>Material Finish:</b> Galvanised |                                     |







## 131B HANDRAIL BRACKET

Designed as a flange for terminating rails to walls or similar structures. Can be used as a base flange for non-load-bearing applications. Not recommended for use as a base plate or in load-bearing applications.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.41kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 84.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 64.0mm            | <b>Product Code:</b> KCS-33.7-HB   |
| <b>Depth:</b> 48.0mm            | <b>Barcode:</b> 5061063311743      |
| <b>Material:</b> Malleable Iron |                                    |



## 143B WALL FLANGE

Wall mounting bracket for handrails, also suitable for tying structures back to walls or mounting panels. Not recommended for use as a standalone base in guardrail systems or for load-bearing applications.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.4kg            | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 84.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 80.0mm            | <b>Product Code:</b> KCS-33.7-WF   |
| <b>Depth:</b> 44.0mm            | <b>Barcode:</b> 5061063311804      |
| <b>Material:</b> Malleable Iron |                                    |



## 132B RAILING BASE FLANGE

Structural base plate designed for supporting vertical posts. When used as a base plate for guardrail systems, position with fixing holes at 90° to the rail line to maximise stability.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.7kg            | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 126.0mm          | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 65.0mm            | <b>Product Code:</b> KCS-33.7-RBF  |
| <b>Depth:</b> 75.0mm            | <b>Barcode:</b> 5061063311767      |
| <b>Material:</b> Malleable Iron |                                    |



## 146B SIDE PALM FIXING

Flush side palm base fixing for securing level or sloping guardrails to walls, steps, or ramps. The flush design allows uprights to sit tight to the structure. Tube cannot pass through the fitting unless reamed out.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.64kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 79.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 71.0mm            | <b>Product Code:</b> KCS-33.7-SPF  |
| <b>Depth:</b> 60.0mm            | <b>Barcode:</b> 5061063311828      |
| <b>Material:</b> Malleable Iron |                                    |





## 167B COMBINATION CONNECTOR WITH THROUGH CENTRE TUBE / DOUBLE SWIVEL

Versatile fitting with two swivel connections set at 180° to each other. Each swivel allows approximately 85° movement from the horizontal in both vertical directions. Tube cannot be joined within the fitting. Not designed to withstand lateral loads.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 1.14kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 72.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 44.0mm            | <b>Product Code:</b> KCS-33.7-DS   |
| <b>Depth:</b> 39.0mm            | <b>Barcode:</b> 5061063311712      |
| <b>Material:</b> Malleable Iron |                                    |



## 173B COMBINATION CONNECTOR WITH THROUGH CENTRE TUBE / SINGLE SWIVEL

A single swivel combination fitting with approximately 85° of swivel movement from the horizontal in both vertical directions. Does not allow tube-to-tube connections within the fitting. Not designed to withstand loads.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.61kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 144.0mm          | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 84.0mm            | <b>Product Code:</b> KCS-33.7-SCC  |
| <b>Depth:</b> 39.0mm            | <b>Barcode:</b> 5061063311781      |
| <b>Material:</b> Malleable Iron |                                    |

## 169M SWIVEL BASE

Can be used in conjunction with a swivel fitting. Not suitable for use as a base fitting in guardrail systems and not designed to withstand lateral loads.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Length:</b> 112.0mm          | <b>Material Finish:</b> Galvanised |
| <b>Width:</b> 55.0mm            | <b>Product Code:</b> KCS-33.7-SB   |
| <b>Depth:</b> 52.0mm            | <b>Barcode:</b> 5061063311842      |
| <b>Material:</b> Malleable Iron |                                    |







## 150B INTERNAL JOINT CONNECTOR

Internal expanding tube coupler for joining two tubes of the same diameter. suits 33.7mm tube (25mm nb) and provides a flush internal connection. Not suitable for load-bearing applications.

### SPECIFICATIONS

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Weight:</b> 0.22kg           | <b>Material Finish:</b> Galvanised |
| <b>Length:</b> 76.0mm           | <b>To Suit Tube:</b> 33.7mm        |
| <b>Width:</b> 73.0mm            | <b>Product Code:</b> KCS-33.7-IJC  |
| <b>Depth:</b> 34.0mm            | <b>Barcode:</b> 5061063311798      |
| <b>Material:</b> Malleable Iron |                                    |

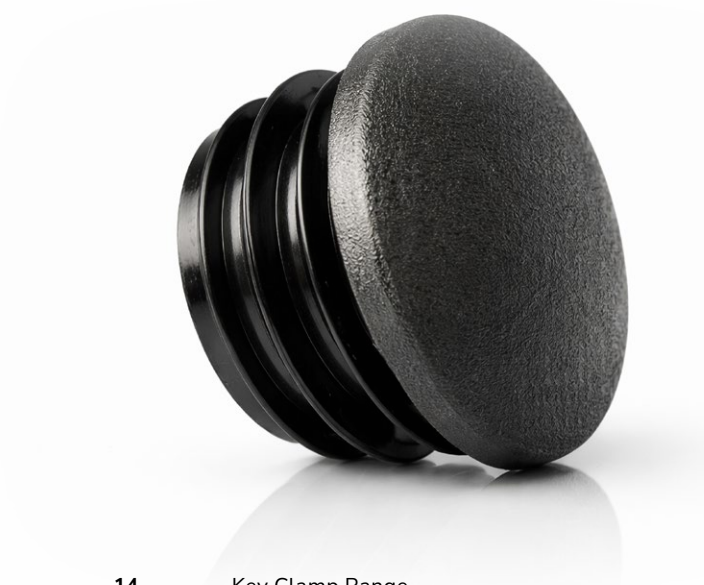


## MILD STEEL TUBE / 1100MM / 2000MM

Ready made post – 1100mm / 2000mm galvanised tube 33.7mm outside diameter. 3mm wall thickness.

### SPECIFICATIONS

|                                    |                      |
|------------------------------------|----------------------|
| <b>Length:</b> 1100.0mm / 2000mm   | <b>Product Code:</b> |
| <b>Width:</b> 33.7mm               | KCS-33.7-1000TUBE    |
| <b>Depth:</b> 3.0mm                | KCS-33.7-2000TUBE    |
| <b>Material:</b> Mild Steel        | <b>Barcode:</b>      |
| <b>Material Finish:</b> Galvanised | 5061063311880        |
|                                    | 5061063311873        |



## END CAPS / PLASTIC

Plastic end cap for sealing open tube ends. Friction fit only—use a suitable adhesive for a permanent fixing.

### SPECIFICATIONS

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>Weight:</b> 0.01kg    | <b>To Suit Tube:</b> 33.7mm       |
| <b>Length:</b> 42.0mm    | <b>Product Code:</b> KCS-33.7-ECP |
| <b>Width:</b> 42.0mm     | <b>Barcode:</b> 5061063311729     |
| <b>Material:</b> Plastic |                                   |



## READY TO BUILD?

Explore the full Weldit Key Clamp range online, view technical specifications and find the right components for your project. From handrails and safety barriers to bespoke frameworks, we've got the fittings and tube to help you build with confidence.

### GET IN TOUCH TO PLACE YOUR ORDER:

[sales@welditnfs.com](mailto:sales@welditnfs.com) / 01582 727840 / [welditnfs.com](http://welditnfs.com)

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