

Calder Super Alignment Clamps

Technical Guide W5.20

The Calder range of Superclamps are designed for the alignment and positioning of pipes before an electrofusion or buttfusion weld.



06.24 | W5.20 CALDER SUPER ALIGNMENT CLAMPS

Applications

Pipe alignment for Electrofusion or Buttwelding

Product Attributes

Suitable for pipe sizes 16-63mm or 63-125mm

Can be used for straight and reducing couplers

Quality

ISO9001:2015

ISO14001:2015

We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.

Superclamps can be used for the electrofusion of straight or reducing couplers. The Superclamp Universal model is also suited for angled connections. These clamps are suitable for 16-63mm or 63-125mm pipe.



TABLE 1 Superclamp Straight

Code	Dimensions	Min Pipe Diameter	Max Pipe Diameter	Weight
CLAMPSUP016063	200 x 200 x 165mm	16mm	63mm	1.1kg



TABLE 2 Superclamp Universal

Code	Dimensions	Min Pipe Diameter	Max Pipe Diameter	Weight
CLAMPUNI016063	260 x 200 x 195mm	16mm	63mm	2.15kg



TABLE 3 Superclamp Mega Straight

Code	Dimensions	Min Pipe Diameter	Max Pipe Diameter	Weight
CLAMPMEG063125	330 x 360 x 360mm	63mm	125mm	4.2kg

Operating Instructions



Superclamp Straight

1. Check the pipe size and select the correct side of the reducing plates.
2. If required change the orientation of the reducing plates by turning the reducing plate thumbwheel fully anticlockwise, pull the reducing plate and turn until the correct size cut out is between the jaws.
Note: *If using a reducing coupler different shells can be used at either side of the clamp.*
3. Push the reducing plate back into place (*there is a pin which prevents incorrectly locating the plate in place*) and turn the thumbwheel fully clockwise.
4. Repeat step 2 and 3 for all 4 reducing plates.
5. Turn clamping handle anticlockwise to open the jaws wide enough for the pipe being clamped.
6. Place the clamp over the pipe and/or fitting to be clamped (*fitting should be between the arms if used*).
7. Turn clamping handle clockwise to tighten the clamp onto the pipes and ensure it is tight and does not allow for movement or sliding of the pipes.

Removal

To remove the clamp, turn the clamping handles anticlockwise until the jaws are wide enough to allow the clamp to be removed from the pipe.

Superclamp Mega Straight

1. Check the pipe size and select the correct side of the reducing plates.
2. If a different size is required, turn the reducing plate thumbwheel anticlockwise fully. Pulling the plate away from the locating pin will allow the plate to rotate. Rotate the plate until the desired size is between the jaws.
Note: *If using a reducing coupler different sides of the plates can be used at either side of the clamp.*
3. The reducing plate should be pushed onto the locating pin to prevent unwanted rotation. Then turn the reducing plate thumbwheel clockwise to lock in place.
4. Repeat steps 2 and 3 for the remaining legs of the tool.
5. Turn clamping handles clockwise to open the jaws wide enough for the pipe being clamped.
6. Place the clamp over the pipe and/or fitting to be clamped (*fitting should be between the arms if used*).
7. Turn clamping handles clockwise to tighten the clamp onto the pipes and ensure it is tight and does not allow for movement or sliding of the pipes.

Branches Nationwide *Support Office & Technical Services 0800 93 7473*

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