

# Rapid Stainless Steel Repair Clamps

Full 316 stainless steel wrap around repair clamps and offtakes offer a high quality, permanent repair solution for most common pipe sizes.



TECHNICAL GUIDE: **PF6.2**

## Applications

Pressure and non-pressure pipelines  
Repair solution for broken or damaged pipelines

## Product Attributes

316 Stainless steel construction  
Quick and easy installation  
Provides full circumference sealing to pipelines  
Can be installed under pressure

## Approvals/Standards

Watermark AS4181 Approved  
AS4793 Approved

## Quality

ISO 9001:2008 Quality Management Standard

Full 316 stainless steel wrap around repair clamps and offtakes offer a high quality, permanent repair solution for most common pipe sizes.

## Specification

- Locking Washer Plate: Locks into position for easy tightening of nuts.
- Lugs: MIG-welded to receiver bar and fully passivated after welding. Leading edge is rounded to prevent them from catching bolt bars during installation.
- Shell: 2B finish. Grade of stainless steel, Type 316. Fully passivated after welding, to restore the original passive state of the 316 stainless steel.
- Bolts: Thread-rolled for strength and coated to prevent galling. Bolts are MIG-welded to the receiver bar and fully passivated after welding.
- Nuts/Washers: Type 316 stainless steel.
- Receiver Bars: TIG-welded to shell to form a strong fusion, and fully passivated after welding.
- Gasket: Nitrile rubber is specially formulated for water service incorporating antioxidant agents to increase shelf life. All gaskets have a grid design, tapered ends and vulcanised armour plates for easy installation and optimum sealing efficiency. Natural rubber is available on request.
- Armour: Heavy gauge 316 stainless steel vulcanised into the gasket at the time of moulding.

## Recommended Pressure Ratings

- Clamps to suit pipes DN50-DN350 16bar
- Clamps to suit pipes DN375-DN600 12bar
- Clamps to suit pipes DN625-DN900 8bar
- Clamps to suit pipes DN925-DN1200 6bar
- Maximum Temperature: 0-60 degrees C

## Junior Clamp General Specifications

- Clamp Band T316 Stainless Steel
- Lugs Ductile Iron, coated
- Gasket Nitrile, Buna N
- Bolts, nuts, washers Carbon Steel coated

**Note:** Specifications are subject to change without notice.



**FIG. 1** 200mm Rapid Repair Clamp

**TABLE 1** Junior Clamps for Galvanised Pipe, Full Circle

Code	Description	Length
CRSS015G75F	Suits 15mm (21.3OD)	75mm
CRSS015G150F	Suits 15mm (21.3OD)	150mm
CRSS020G75F	Suits 20mm (26.7OD)	75mm
CRSS020G150F	Suits 20mm (26.7OD)	150mm
CRSS025G75F	Suits 25mm (33.4OD)	75mm
CRSS025G150F	Suits 25mm (33.4OD)	150mm
CRSS032G75F	Suits 32mm (42.2OD)	75mm
CRSS032G150F	Suits 32mm (42.2OD)	150mm

**TABLE 2** Junior Clamps for Galvanised Pipe, Half Circle

Code	Description	Length
CRSS015G75H	Suits 15mm (21.3OD)	75mm
CRSS015G150H	Suits 15mm (21.3OD)	150mm
CRSS020G75H	Suits 20mm (26.7OD)	75mm
CRSS020G150H	Suits 20mm (26.7OD)	150mm
CRSS025G75H	Suits 25mm (33.4OD)	75mm
CRSS025G150H	Suits 25mm (33.4OD)	150mm
CRSS032G75H	Suits 32mm (42.2OD)	75mm
CRSS032G150H	Suits 32mm (42.2OD)	150mm
CRSS040G75H	Suits 40mm (48.3OD)	75mm
CRSS040G150H	Suits 40mm (48.3OD)	150mm
CRSS050G75H	Suits 50mm (60.3OD)	75mm
CRSS050G150H	Suits 50mm (60.3OD)	150mm
CRSS065G75H	Suits 65mm (73.0OD)	75mm
CRSS065G150H	Suits 65mm (73.0OD)	150mm
CRSS075G75H	Suits 75mm (88.9OD)	75mm
CRSS075G150H	Suits 75mm (88.9OD)	150mm
CRSS100G75H	Suits 100mm (114.3OD)	75mm
CRSS100G150H	Suits 100mm (114.3OD)	150mm

**TABLE 4** Pressure Pipe Repair Clamps

Code	Description	Length
CRSS040PVC150	Suits 40mm NB S1 Pipe (45-51OD)	150mm
CRSS050PVC150	Suits 50mm NB S1 Pipe (59-67OD)	150mm
CRSS080PVC150	Suits 80mm NB S1 Pipe (85-95OD)	150mm
CRSS100ACPVC200	Suits 100mm NB S1 & S2 Pipe (113-123OD)	200mm
CRSS100PVC200	Suits 100mm NB S1 Pipe (110-120OD)	200mm
CRSS100AC200	Suits 100mm NB S2 Pipe (120-131OD)	200mm
CRSS100ACPVC250	Suits 100mm NB S1 & S2 Pipe (113-123OD)*	200mm
CRSS100ACT50	Suits 100mm NB S2 Pipe (121-130OD)*	200mm
CRSS125PVC200	Suits 125mm NB S1 Pipe (135-145OD)	200mm
CRSS150PVC200	Suits 150mm NB S1 Pipe (151-161OD)	200mm
CRSS150AC200	Suits 150mm NB S2 Pipe (167-178OD)	200mm
CRSS150AC200XL	Suits 150mm NB S2 Pipe (174-185OD)	200mm XL
CRSS175PVC200	Suits 175mm NB S1 Pipe (196-205OD)	200mm
CRSS200PVC200	Suits 200mm NB S1 Pipe (218-228OD)	200mm
CRSS200AC200	Suits 200mm NB S2 Pipe (229-238OD)	200mm
CRSS225PVC300	Suits 225mm NB S1 Pipe (248-257OD)	300mm
CRSS225AC300	Suits 225mm NB S2 Pipe (255-265OD)	300mm
CRSS250PVC300	Suits 250mm NB S1 Pipe (271-281OD)	300mm
CRSS250AC300	Suits 250mm NB S2 Pipe (281-290OD)	300mm
CRSS300PVC300	Suits 300mm NB S1 Pipe (312-322OD)	300mm
CRSS300AC300	Suits 300mm NB S2 Pipe (343-355OD)	300mm
CRSS375PVC400	Suits 375mm NB S1 Pipe (390-410OD)	400mm
CRSS375AC400	Suits 375mm NB S2 Pipe (410-430OD)	400mm

Note: \*Clamp is tapped 50mm BSP Female

**FIG. 2** Rapid Junior Full Circle Clamp**TABLE 3** Junior Clamps for Copper Pipe, Full Circle

Code	Description	Length
CRSS015C75F	Suits 15mm (12.7OD)	75mm
CRSS015C150F	Suits 15mm (12.7OD)	150mm
CRSS020C75F	Suits 20mm (19.0OD)	75mm
CRSS020C150F	Suits 20mm (19.0OD)	150mm
CRSS025C75F	Suits 25mm (25.4OD)	75mm
CRSS025C150F	Suits 25mm (25.4OD)	150mm
CRSS032C75F	Suits 32mm (31.75OD)	75mm
CRSS032C150F	Suits 32mm (31.75OD)	150mm
CRSS040C75F	Suits 40mm (38.1OD)	75mm
CRSS040C150F	Suits 40mm (38.1OD)	150mm

**FIG. 3** Flanged Clamps**TABLE 5** Flanged Clamps for AC Pipe, Table D Offtake

Code	Description	Length	Off-take
CFSS150AC100TD	Suits 150mm (175-185 OD)	400mm	100mm
CFSS200AC100TD	Suits 200mm (230-250 OD)	400mm	100mm
CFSS200AC150TD	Suits 200mm (230-240 OD)	400mm	150mm
CFSS250AC100TD	Suits 250mm (279-290 OD)	400mm	100mm
CFSS250AC150TD	Suits 250mm (279-290 OD)	400mm	150mm
CFSS300AC100TD	Suits 300mm (330-350 OD)	400mm	100mm
CFSS300AC150TD	Suits 300mm (330-350 OD)	400mm	150mm
CFSS375AC150TD	Suits 375mm (420-440 OD) PN12	400mm	150mm

TABLE 6 Repair Clamp Key

Item Code Example:	CRSS015C150F	CR	SS	015	C	150	F
<b>Item</b>							
Repair Clamp	CR						
<b>Coupler Material</b>							
Stainless Steel/Nitrile	SS						
<b>OD</b>							
15mm	015						
20mm	020						
25mm	025						
32mm	032						
40mm	040						
50mm	050						
65mm	065						
80mm	080						
100mm	100						
125mm	125						
150mm	150						
175mm	175						
200mm	200						
225mm	225						
250mm	250						
300mm	300						
375mm	375						
400mm	400						
450mm	450						
500mm	500						
575mm	575						
600mm	600						
<b>Pipe Material</b>							
Galvanised Pipe	G						
Copper Pipe	C						
PVC Pipe	PVC						
Asbestos Pipe	AC						
Asbestos Pipe to PVC Pipe	ACPVC						
<b>Length</b>							
75mm	75						
150mm	150						
200mm	200						
300mm	300						
400mm	400						
<b>Full/Half</b>							
Full	F						
Half	H						

Note: T50 indicates that the clamp has a 50mm BSP Female offtake.



Scan for more information

**Disclaimer:** While every effort has been made to ensure that the information in this document is correct and accurate, users of Hygrade Water product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hygrade Water unless expressly stated in any sale and purchase agreement entered into between Hygrade Water and the user.

January 2024