

Rapid Tapping Saddle Grade 316 Stainless Steel

Our CT tapping saddles provide the ideal solution for a branch connection from existing pipes.

Our saddles incorporate a uniquely designed gasket made up of a lip and O-ring seal, embedded with a stainless disc at tapping to provide a superior strength seal capable of holding both positive and negative pipe pressure.

They eliminate the need to “cut in” an off take, as the saddle can be installed around the pipe without disrupting the internal flow and tapped under pressure. This is known as Hot Tapping.

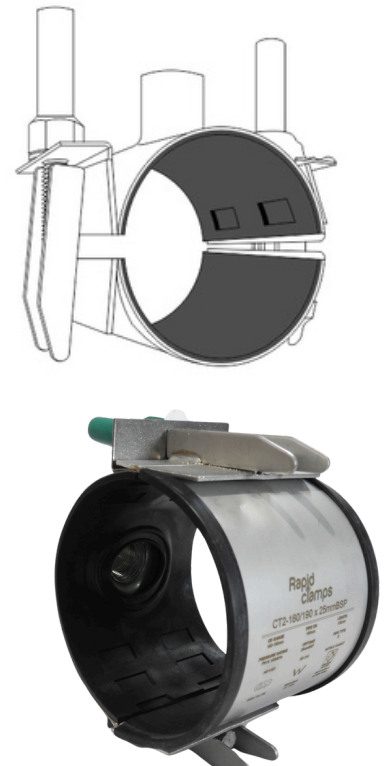
CT Tapping Saddles are suitable for ductile iron, cast iron, Hobas, steel, copper, asbestos cement, PVC, PE, concrete, VC, FRC, and other types of pipes, which require a permanent BSP or Flanged off take.

AS-4793 Certified for pressure applications.

WSAA PA-1216- Appraised by Water Services Association Australia for Rigid pipe

Components

Shell:	Grade 316 Stainless steel. Fully passivized after welding
Tappings:	Grade 316 Stainless steel, DN 15mm to DN100mm BSP Rp parallel threaded socket. Flanges SS316, standard AS4087 PN16, drilled to Table D (DN50 to DN150). Other configurations avail
Gasket:	Nitrile, to AS1646 and AS4020. The gasket is specially designed with a static seal and a dynamic lip seal. Also incorporated into the seal is an internal stainless steel retaining disc, which prevents the seal and mat from extruding out, under extreme internal pressure. This specially designed seal allows for pipe outside diameter changes, caused by pressurizing and depressurizing of the pipe.
Locking Washer Plate:	Grade 316 Stainless steel. Locks into position for easy tightening of nuts
Receiver Bars:	Grade 316 Stainless steel TIG-welded to shell to form a strong fusion. Fully passivized after welding
Lugs:	Grade 316 Stainless steel MIG-welded to receiver bar and fully passivized after welding. Leading edge is rounded to prevent them from catching bolt bars during installation
Bolts:	Grade 316 Stainless steel Thread-rolled for strength and coated to prevent galling. Bolts are MIG-welded to the receiver bar and fully passivized after welding.
Nuts/Washers:	Grade 316 Stainless steel



General Information

Versatile design to fit a range of pipe ODs in one saddle, and able to adapt to the pipe ovality and irregularities.

The strong Stainless steel shells reinforce the pipe at the tapping point.

The tapping saddle seal is purpose designed to incorporate a static seal and a dynamic lip seal.

Embedded into the seal is an internal stainless steel retaining disc, which prevents the seal and mat from extruding out, under extreme internal pressure.

This unique seal allows for pipe outside diameter changes, caused by pressurizing and depressurizing of the pipe.

CT Tapping Saddles have a fully lined rubber mat designed to insulate the pipe and protect it from galvanic corrosion.

The trusted tapping solution since 2010.

CT Tapping Saddles

Rapid
clamps

Operating Pressure

The pressure containing capability of a saddle is influenced by the pipe type, the pipe surface finish, extent of damage to the pipe, environment, service conditions and installation workmanship.

Smaller diameter saddles will contain higher pressure than larger diameter saddles. Cleaning and lubricating pipe/gasket, will reduce friction between the pipe surface and sealing gasket, creating a better seal. Use soapy water or pipe lubricate.

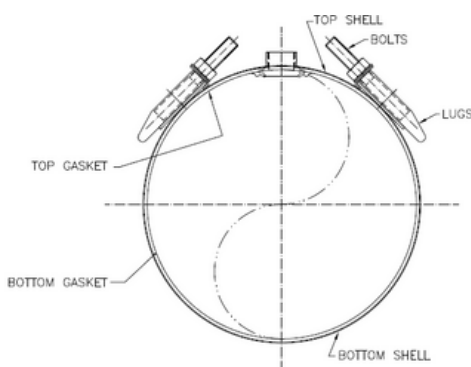
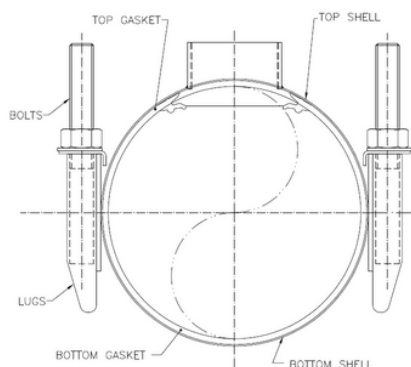
PIPE DN	CLAMP OD RANGE	OPERATING PRESSURE	RATING
80mm - 600mm	75mm - 680mm	1600kPa	PN16
650mm - 900mm	680mm - 980mm	1200kPa	PN12
950mm+	980mm - 1200mm	1000kPa	PN10

Maximum Temperature: 0 - 60 degrees C.*



Saddle length/width

BSP TAPPING DN	SADDLE LENGTH
DN20mm, 25mm	130mm
DN32mm, 40mm, 50mm	150mm
DN65mm, 80mm	200mm
DN100mm, 150mm	300mm



Installation instructions

Clean and remove any debris around the host pipe where the tapping saddle will be placed.

Check for any pipe damage, if present relocate the saddle.

Disassemble the tapping saddle and install around the host pipe.

Hand-tighten the nuts and position off-take as required.

Tension the nuts, evenly, uniformly, and keep gaps between segments equal. Do not fully tension one nut at a time, slowly tension nuts, moving from one nut to another, until recommended final tension is applied to all the nuts.

Recheck the tension on all the nuts 10 minutes later.

Mechanically support the off-take fittings separately to the tapping saddle.

It is recommended to pressure test the tapping saddle and fittings before drilling into the pipe.

Tighten the nuts to recommended torque (M16 135Nm) (M12 95Nm).



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CT TAPPING SADDLE PART NUMBERS

Product Code	Product Description
CT2-PE75x15	TAPPING SADDLE FOR PE PIPE OD75 x15BSP
CT2-PE75x20	TAPPING SADDLE FOR PE PIPE OD75 x20BSP
CT2-PE75x25	TAPPING SADDLE FOR PE PIPE OD75 x25BSP
CT2-PE90x15	TAPPING SADDLE FOR PE PIPE OD90 x15BSP
CT2-PE90x20	TAPPING SADDLE FOR PE PIPE OD90 x20BSP
CT2-PE90x25	TAPPING SADDLE FOR PE PIPE OD90 x25BSP
CT2-PE90x32	TAPPING SADDLE FOR PE PIPE OD90 x32BSP
CT2-PE90x40	TAPPING SADDLE FOR PE PIPE OD90 x40BSP
CT2-PE90x50	TAPPING SADDLE FOR PE PIPE OD90 x50BSP
CT2-PE110x15	TAPPING SADDLE FOR PE PIPE OD110 x15BSP
CT2-PE110x20	TAPPING SADDLE FOR PE PIPE OD110 x20BSP
CT2-PE110x25	TAPPING SADDLE FOR PE PIPE OD110 x25BSP
CT2-PE110x32	TAPPING SADDLE FOR PE PIPE OD110 x32BSP
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CT2-PE180x15	TAPPING SADDLE FOR PE PIPE OD180 x15BSP
CT2-PE180x20	TAPPING SADDLE FOR PE PIPE OD180 x20BSP
CT2-PE180x25	TAPPING SADDLE FOR PE PIPE OD180 x25BSP
CT2-PE180x32	TAPPING SADDLE FOR PE PIPE OD180 x32BSP
CT2-PE180x40	TAPPING SADDLE FOR PE PIPE OD180 x40BSP

Product Code	Product Description
CT2-PE180x50	TAPPING SADDLE FOR PE PIPE OD180 x50BSP
CT2-PE200x15	TAPPING SADDLE FOR PE PIPE OD200 x15BSP
CT2-PE200x20	TAPPING SADDLE FOR PE PIPE OD200 x20BSP
CT2-PE200x25	TAPPING SADDLE FOR PE PIPE OD200 x25BSP
CT2-PE200x32	TAPPING SADDLE FOR PE PIPE OD200 x32BSP
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CT2-PE315x15	TAPPING SADDLE FOR PE PIPE OD315 x15BSP
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CT2-PE315x25	TAPPING SADDLE FOR PE PIPE OD315 x25BSP
CT2-PE315x32	TAPPING SADDLE FOR PE PIPE OD315 x32BSP
CT2-PE315x40	TAPPING SADDLE FOR PE PIPE OD315 x40BSP
CT2-PE315x50	TAPPING SADDLE FOR PE PIPE OD315 x50BSP
CT2-PE355x15	TAPPING SADDLE FOR PE PIPE OD355 x15BSP
CT2-PE355x20	TAPPING SADDLE FOR PE PIPE OD355 x20BSP
CT2-PE355x25	TAPPING SADDLE FOR PE PIPE OD355 x25BSP
CT2-PE355x32	TAPPING SADDLE FOR PE PIPE OD355 x32BSP
CT2-PE355x40	TAPPING SADDLE FOR PE PIPE OD355 x40BSP
CT2-PE355x50	TAPPING SADDLE FOR PE PIPE OD355 x50BSP

Other sizes available on request.

Tapping options:

BSP-

15mm/20mm/25mm/32mm/40mm/50mm/65mm/80mm/100mm

Flange -

50mm/80mm/100mm/150mm

