

CA-R BRANCH CONNECTION

Universal branch connections for rigid pipes with threaded outlets from 1/2" to 2"



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INFORMATION

> Application

Pipes:	Grey cast iron, ductile cast iron, steel, asbestos cement, clay, etc.
Range of application:	For pipes with an outside diameter of from 63 to 380 mm and threaded outlets of 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2".
Working pressures:	The maximum service pressure is PN16 for all sizes, except the CA-R 60 , 2" outlet size, which is PN6.



MATERIAL SPECIFICATIONS

- 1 Saddle:**
Ductile cast iron. Coated with polyamide epoxy paint, minimum thickness of 100 µm, colour blue RAL 5012 (suitable for use with drinking water).
- 2 Gasket:**
EPDM, colour black (suitable for use with drinking water).
- 3 Brackets:**
PP with fibreglass load, colour black.
- 4 Clamp band:**
Stainless steel (AISI 304).
- 5 Clamp profile:**
EPDM, class 65, dielectric, colour black.
- 6 Nuts and bolts:**
Stainless steel (AISI-304).





ASSEMBLY

The CA-R branch connection is suitable for pressureless mains or for under pressures pipes, inserting a threaded full bore valve.

We recommend installation using our AcuDrill drilling machine. For the drilling procedure, please request our *User Manual* "DRILLING MACHINE, model AcuDrill" MU-41-14E.



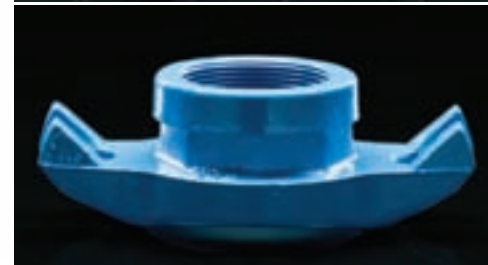
SUPPLY

The CA-R branch connections are supplied in two separate parts for stock purposes:

Part 1: - Kit comprising the clamp band with the fasteners and 2 gaskets*, to match the clamp band tolerances and duly identified.

Part 2: - Threaded saddle

(*) the two gaskets are supplied with each clamp band to use the same clamp band with both possible saddle sizes: The saddle with threads of up to 1 1/2" and the 2" threaded outlet.





SPARES

- > Gaskets



OPTIONS

Threaded adapter for work on under pressure pipes.

This part can be used for work on under pressure pipes on any threaded fitting to be installed on the pipeline without the need for inserting cut-off valves thanks to its spatula flow stop-off system.

Its main features are as follows:

- > Double seal: one internal seal acting with the pressure of the water; and one external seal to provide additional safety once the work has been completed. The pressure tests exceed 24 bar.
- > Dust protection system to maintain the work area in perfect condition.
- > The work spatula is pivoted to close off the flow more easily and gently.
- > The entire system provides a possibility of working without valves and, if necessary, of repeating the work as often as necessary throughout the service life of the branch connection.

Available with two connection models:

- > Threaded adapter for 1".
- > Threaded adapter for 2".

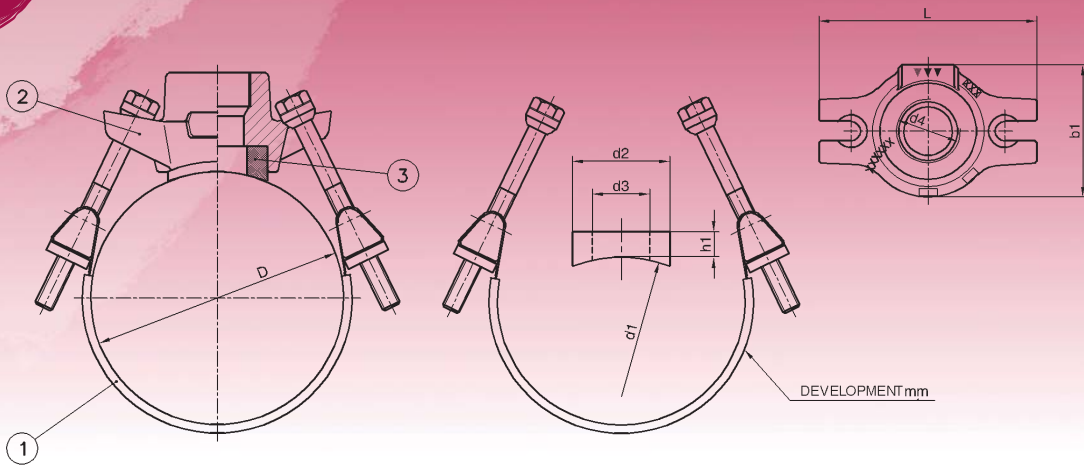
And two work spatula models:

- > For 1" adapter.
- > For 2" adapter.





DIMENSIONS



Outlet	Band		Saddle			Gasket				
	1		2			3				
	DN	Range of use	L	B	h2	Type	d1	d2	d3	h1
1/2"	60	63 - 82	144	89	68,5	21	70	63	28,5	16
	80	80 - 115	144	89	68,5	2	120	63	37	16
	100	112 - 142								
	125	140 - 170								
	150	168 - 198								
	175	190 - 220								
	200	218 - 250	144	89	68,5	3	180	63	37	16
	225	248 - 285								
	250	282 - 315								
	300	315 - 347								
300A	345 - 380									
3/4"	60	63 - 82	144	89	68,5	21	70	63	28,5	16
	80	80 - 115	144	89	68,5	2	120	63	37	16
	100	112 - 142								
	125	140 - 170								
	150	168 - 198								
	175	190 - 220								
	200	218 - 250	144	89	68,5	3	180	63	37	16
	225	248 - 285								
	250	282 - 315								
	300	315 - 347								
300A	345 - 380									
1"	60	63 - 82	144	89	68,5	21	70	63	28,5	16
	80	80 - 115	144	89	68,5	2	120	63	37	16
	100	112 - 142								
	125	140 - 170								
	150	168 - 198								
	175	190 - 220								
	200	218 - 250	144	89	68,5	3	180	63	37	16
	225	248 - 285								
	250	282 - 315								
	300	315 - 347								
300A	345 - 380									

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Outlet	Band		Saddle			Gasket				
	1	2	3			3				
	DN	Range of use	L	B	h2	Type	d1	d2	d3	h1
1 1/4"	60	63 - 82	144	89	68,5	21	70	63	28,5	16
	80	80 - 115	144	89	68,5	2	120	63	37	16
	100	112 - 142								
	125	140 - 170								
	150	168 - 198								
	175	190 - 220								
	200	218 - 250	144	89	68,5	3	180	63	37	16
	225	248 - 285								
	250	282 - 315								
	300	315 - 347								
300A	345 - 380									
1 1/2"	60	63 - 82	144	89	68,5	21	70	63	28,5	16
	80	80 - 115	144	89	68,5	2	120	63	37	16
	100	112 - 142								
	125	140 - 170								
	150	168 - 198								
	175	190 - 220								
	200	218 - 250	144	89	68,5	3	180	63	37	16
	225	248 - 285								
	250	282 - 315								
	300	315 - 347								
300A	345 - 380									
2"	60	75 - 95	170	100	70	40R	80	80	51	16
	80	94 - 115	170	100	70	10R	120	80	51	16
	100	112 - 142	170	100	70	20	180	80	51	15
	125	140 - 170								
	150	168 - 198								
	175	190 - 220								
	200	218 - 250								
	225	248 - 285	170	100	70	30	300	80	51	15
	250	282 - 315								
	300	315 - 347								
300A	345 - 380									

• RELATED DATASHEETS •

PTR	Rigid pipe fittings programme: ACUSTOP-R BRANCH CONNECTION (threaded tapping saddle) CA BRANCH CONNECTION (PE pipe outlet saddle) CA-C BRANCH CONNECTION (PE pipe outlet tapping saddle) ARIC (threaded adapter for under pressure pipes)	FC-63-PTR-03E FC-63-PTR-04E FC-63-PTR-05E FC-63-PTR-10E
PTP	Plastic pipe fittings programme: ACUFIT (compression fittings for PE pipes)	FC-65-PTP-09E
PMH	Machinery and tools programme: ACUDRILL DRILLING MACHINE	FC-41-PMH-07E

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The information provided in this publication is subject to change without notice.



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