

STANDARD COUPLING CV-CE NG Two screws

New design,
acknowledged performances,
DN 50 to 300

elastomer gasket

Hexagonal
screw head
10 mm

tightening
plates



Supplied assembled

NEW

Coupling performances

Hydrostatic test pressure

DN 50 to 100: 10 bars

DN 150 to 200: 5 bars

DN 250 to 300: 3 bars

In accordance with EN 877

Angular deflection:

3° from DN 50 to DN 200

1.45° for DN 250 and 300

CV standard version:

- Collar: Ferritic Stainless Steel 1.4510/11 or AISI 430Ti/439
- Plates: Ferritic Stainless Steel 1.4373 or 1.4510/11 - AISI 202 or AISI 430Ti/439
- Screw: Coated Steel class 8.8 (minimum of 350 h/salt spray test)


CE coupling special version

Identifying feature : W4

- Collar: Austenitic Stainless Steel 1.4301 or AISI 304
- Plates: Stainless Steel A2-70 or 1.4301 or AISI 304
- Screw: Stainless Steel A2-70 with coating to avoid seizing



Acknowledged qualities



CV-CE couplings aim at jointing two spigot pipes or fittings.

Ease of installation

These couplings are made of a large stainless steel strap and two tightening plates butt-jointed with two tightening screws, which gives the assembly the required flexibility. An elastomer gasket ensures air and water tightness. The coupling is supplied assembled.

CV-CE couplings are mostly appreciated because they are simple and can be easily removed and reinstalled without damage.



Assembly

The couplings consists of two parts: the strap made of stainless steel and an EPDM sealing gasket

*Tools: screwdriver, ratchet or electric screwdriver.
The tightening torques have to be respected, standard manual tightening torques are:*

CV coupling: 8-10 N.m for all DN

CE coupling: 5-8 N.m for DN50-75/80
10-12 N.m for DN 100-125
12-15 N.m for DN 150-200



Push the supplied sealing gasket on to the pipe spigot so it abuts the gasket central bulging



Turn over the open half of the sealing gasket



Enhanced performances

Better pressure resistance

- A new shape with two big lips for the elastomer sealing gasket.
- A drastic selection of the elastomers so that their characteristics are maintained over time,

Grant better than ever water tightness and pressure resistance

Pressure resistance

in specific areas

To withstand end thrust effects in specific areas (i.e branch connections and changes of direction) the use of grip collars is necessary.

PAM CV-CE are fully compatible with most grip collars available on the market.

The assembly performance depends on the grip collar one. In general, up to 10 bars for DN 50 to DN 125, and 5 bars for DN 150 and 200, depending on the product specifications.



Enhancement of anti-corrosion performances

The natures of steel, used for the strap and the plates, are matched and carefully selected to minimise galvanic corrosion and optimise the corrosion resistance of the fastening components.

The bolting is also of a better quality and is covered with an anti-seizing coating to ease tightening on site.



Install the next spigot and fold the turned over half back.



Place the steel strap around the sealing gasket

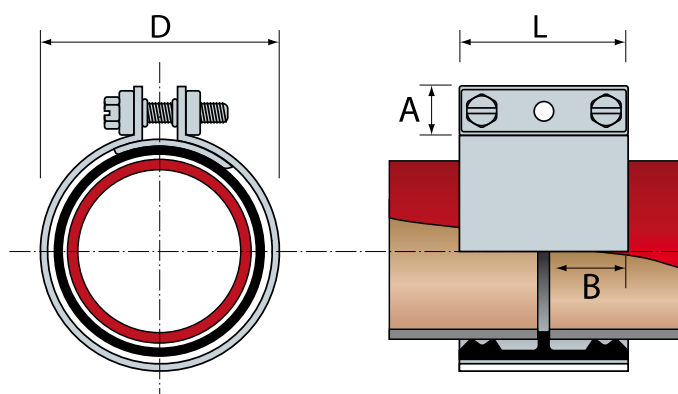


Alternately tighten the two tightening screws uniformly and hand tight. The threaded plates must come together parallel to avoid any deformation.

Dimension table

DN mm	CE Product code	CV Product code	B mm	D mm	H mm	L mm	Mass kg
50	185627	210398	22,5	70	85	45	0.12
70	207811	210400	22,5	90	105	48	0,13
75/80	207813	210413	22,5	95	110	48	0.15
100	185628	210416	25,5	122	140	54	0.23
125	207814	210417	25,5	147	165	54	0.29
150	207815	210418	25,5	172	190	54	0.34
200	207816	210420	38	222	240	78	0.70
250	207817	210422	38	287	305	78	0.84
300	185629	210423	38	339	357	78	0.96

$D = \text{max. ext diameter} + (2 \times 5^*)$ *thickness of the elastomer gasket



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