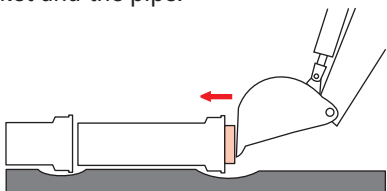


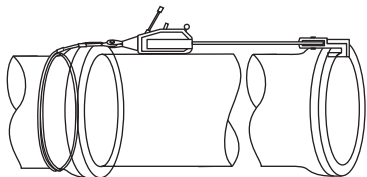
DIGGER BUCKET

Insert a wooden batten between the digger bucket and the pipe.



LIFTING TACKLE

An advantageous solution for difficult access constraints.



• DN 100 to 300

Use a T516 (2.5 tonnes) for inserting 2 pipes or one pipe and one fitting.

• DN 350 to 600

Use a T532 lifting tackle (5 tonnes, ref. 158024), for inserting 2 pipes and 2 lifting tackles for inserting one pipe and one fitting.

Available on request.

DISMANTLING THE JOINT

STANDARD UNIVERSAL Vi joints can be dismantled with special tools before pressurization if required. (Contact us). It can no longer be dismantled after pressurization or tensioning.

The UNIVERSAL Vi locking gasket must not be used again after dismantling.



SAINT-GOBAIN PAM LAYING RECOMMENDATIONS

- STORAGE
- HANDLING
- BACKFILL
- STANDARD JOINT
- STANDARD Vi JOINT
- STANDARD Ve JOINT
- UNIVERSAL Vi JOINT
- STANDARD V+i JOINT
- UNIVERSAL Ve JOINT DN 100 to 1200 MM
- EXPRESS JOINT
- EXPRESS Vi JOINT
- PIPE CUTTING
- WELD BEAD
- ANCHOR BLOCKS
- ANCHORING
- EXTERNAL COATING REPAIRS
- INTERNAL LINING REPAIRS
- PE SLEEVE INSTALLATION
- HYDRAULIC TESTING
- ASSEMBLY EQUIPMENT
- HORIZONTAL DIRECTIONAL DRILLING
- CONTACTS

AEP-MEM-15A VERSION 2007 - 4000 EX

SAINT-GOBAIN
PAM

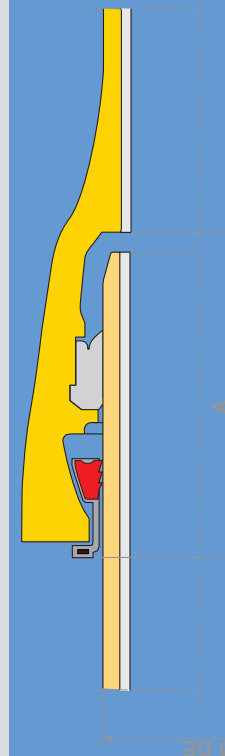
MARKETING DEPARTMENT
21 AVENUE CAMILLE CAVALLIER
54705 PONT A MOUSSON CEDEX
FRANCE
TEL: 03.83.80.73.50
www.pamline.fr

These recommendations are based upon our knowledge of the products and their use. It is the contractor's responsibility to ensure that installation is carried out according to the best rules of practice.

PAM

LAYING RECOMMENDATIONS

UNIVERSAL Vi JOINT



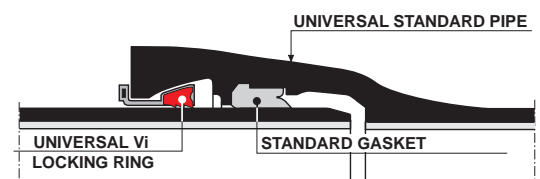
SAINT-GOBAIN
CANALISATION

! The Universal Vi anchoring system must not be used to lock a string of pipes to be pulled (in a casing, on a bridge, in case of Horizontal Directional Drilling, for example). For these types of installation, use the Ve anchoring system (with a weld bead).

PRELIMINARY REMARKS

STANDARD UNIVERSAL pipes with a double chamber socket, designed for receiving the following, have to be used for the STANDARD UNIVERSAL Vi joint:

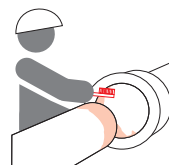
- STANDARD gasket,
- UNIVERSAL Vi retaining ring with inserts.



The assembly is locked by **the metal inserts** of the retaining ring being automatically fastened to the spigot end of the pipe during assembly. The STANDARD gasket provides watertightness.

CLEAN THEM

Clean the insides of the socket, the spigot end of the pipe, the gasket and the locking ring.



POSITIONING GASKET AND RING

We recommend that this work is carried out before the pipe is lowered into the trench.



Positioning the gasket and retaining ring in their socket housing.

MARK THE INSERTION DEPTH

(When it has not been originally marked).

Mark the spigot at **A - J mm.** (J=20)

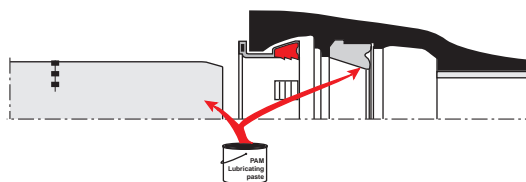
Also check that the chamfer conforms and is in good condition.



LUBRICATE

Apply the lubricating paste to:

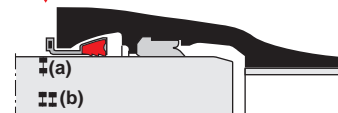
- the visible face of the gasket,
- the chamfer and spigot end of the pipe.



ASSEMBLY



Centre and insert the spigot into the socket (making sure centre-lines are aligned):



(a) up to the line marked at depth A - 20 mm,

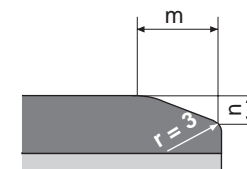
(b) up to the space between the two lines when they are shop marked on UNIVERSAL pipes (not to be confused with the two marked lines on the spigot end of STANDARD pipes).

Details of dimension A

DN	A (mm)	DN	A (mm)	DN	A (mm)	DN	A (mm)
100	140	200	155	350	184	500	200
125	140	250	166	400	176	600	209
150	148	300	180	450	190		

Chamfer dimensions

DN	80 to 600
m (mm)	9
n (mm)	3



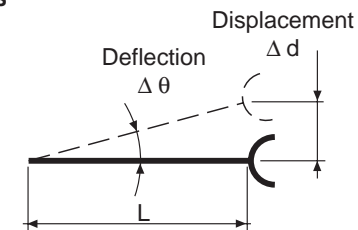
Quantity of lubricating paste for 100 joints

DN	Number of cans	DN	Number of cans	DN	Number of cans	DN	Number of cans
100	2	200	3	350	5	500	7
125	2	250	4	400	6	600	9
150	3	300	5	450	6		

MAXIMUM ALLOWABLE DEFLECTION

Pipes shall be inserted keeping pipe centrelines perfectly aligned.

Only when joint assembly has been fully completed shall the deflection be made.



DN	Δθ	L m	Δ d cm
100 to 450	3°	5,95	32
500	2°	5,97	21
600	2°	5,97	21