

Fitting Instruction MULTI-FIX



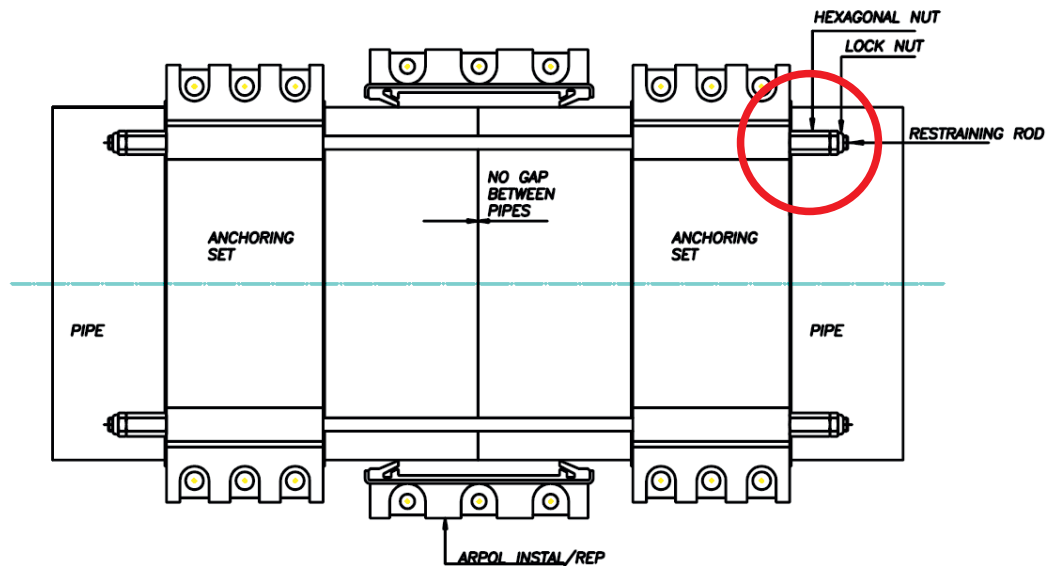
PREPARATION:

Please read carefully the ARPOL MULTI-FIX fitting instructions before starting any fitting. If in any doubt, please contact us:

UNIONES ARPOL S.A.
TELF/ +34 93 828 45 05
FAX/ +34 93 828 48 12
E-Mail/ arpol@arpol.com

FITTING :

ANCHORING SYSTEM WITH NO AXIAL MOVEMENT



To avoid axial movements of pipes:

- Avoid any separation between pipes.
- Fit the anchoring sets next to hexagonal nuts of restraining rods.

1.



Fixing screws

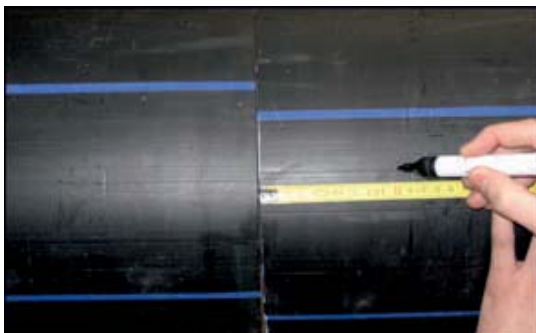
Placement of the inside stiffener

- Place at each end of the tube an inside stiffener at a distance of 140mm from the end.
- Tighten the nuts with the torque rate according to the label.
- Tighten the fixing screws until the end to prevent displacement of the inside stiffener.

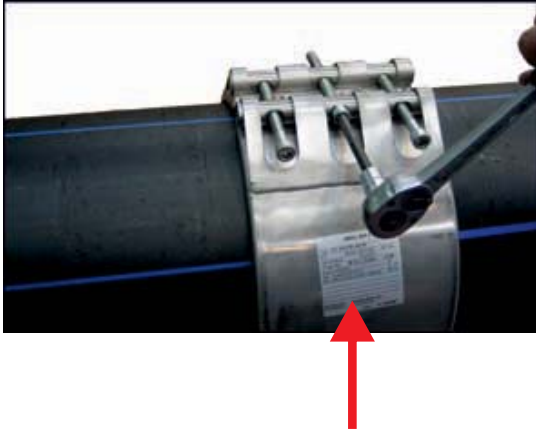
2.

To fit sealing coupling (ARPOL INSTAL OR REP):

- Mark pipes to join at **100 mm** from pipe end.



3.



ARPOL INSTAL:

- If possible, slide both the *installation coupling* and the *anchoring sets* as they come from the factory.
- Unless necessary, do not remove the polyethylene film around anchoring sets.
- Position the ARPOL INSTAL coupling between the marks and one *anchoring set* at each side of it.
- Tighten the ARPOL INSTAL screws with a dynamometric wrench (according to the torque rate indicated in the coupling label).
- Tighten the central screw first.
- Go to step 5.

ARPOL REP

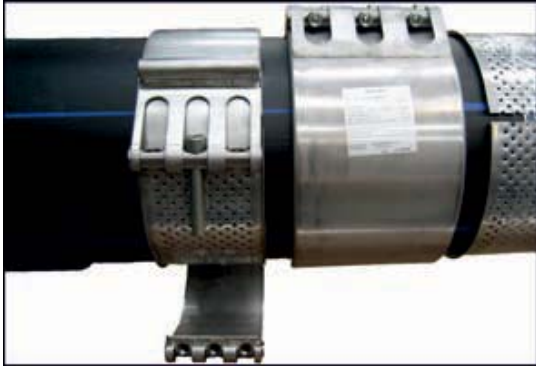
- Position the ARPOL REP coupling between the marks.
- Tighten the ARPOL REP screws with a dynamometric wrench (according to the torque rate indicated in the coupling label).
- Tighten the central screw first.

4.



- Position the *anchoring band* on the pipe and wrap it with polyethylene film to reinforce anchoring.

5.



- Adjust casing on the *anchoring band* already positioned.
- Ensemble bolts to the corresponding casing lock.
- Close the *anchoring set*, but DO NOT tighten screws yet, since repositioning will be necessary.
- Repeat process with the *anchoring set* on the other side of the coupling.

6.



- **Note:** Make sure gaps between both ends of the *anchoring band* are under the external casing, as shown in the picture.

7.

- Slide *restraining rods* in holed bars. Rods should be parallel to the pipe.



8.

- Screw down *hexagonal nuts* at the end of restraining rods.
- Screw down *lock nuts*. There is no specific torque rate.



9.

- Position *anchoring sets* at the same distance from the central coupling.



10.

- Remember both *anchoring sets* must be next to *hexagonal nuts*, as shown in the picture.



11.



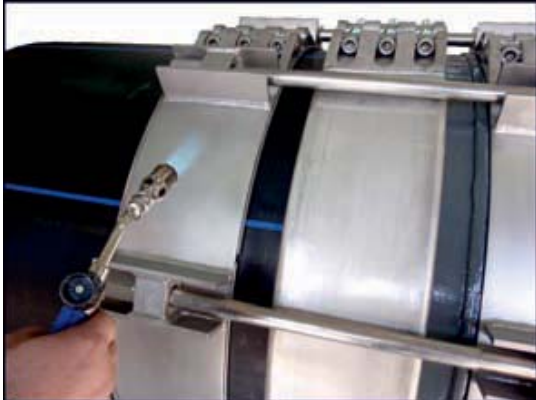
- Now tighten screws with the dynamometric wrench to the torque rate indicated in the label.
- Tighten the central screw first.
- Tighten all four locks of the *anchoring system* proportionately.

12.



- Make sure the lock gaps on both *anchoring sets* are similar, since they affect parallelism between *restraining rods* and the pipe.

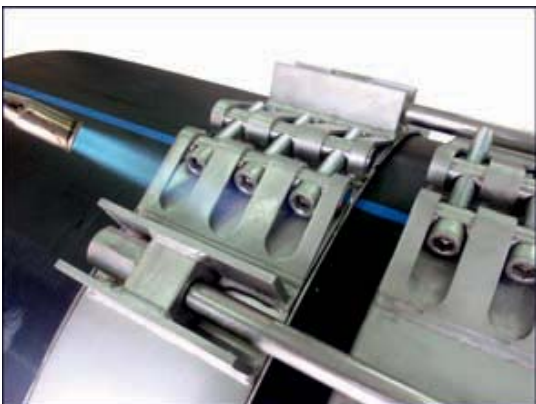
13.



Adjustement of the anchor:

- Heat up the metal surface with butane torch
- Perform this step by heating up a section of 20 to 30 cm length for a time of 10 min.

DO NOT HEAT UP THE CENTRAL SEALING COUPLING



- Heat the locks of the anchors as well.

PREVENT THAT THE FLAME TOUCH THE POLYETHYLENE TUBE



- Tighten the bolts to the torque value indicated on the label after heating up each section of the anchor.
- Repeat this step after heating up each section.

ARPOL **INSTAL**

ARPOL **REP**

ARPOL **FIX**

ARPOL **TRANS**



Uniones Arpol S.A.

Pol. Ind. Can Prat, Nave 1 (El Tortuger)
08691 - Monistrol de Montserrat
Barcelona - España

T. +34 93 828 45 05
F. +34 93 828 48 12
arpol@arpol.com
www.arpol.com
GPS: N 41° 37' 6", E 1° 50' 46"