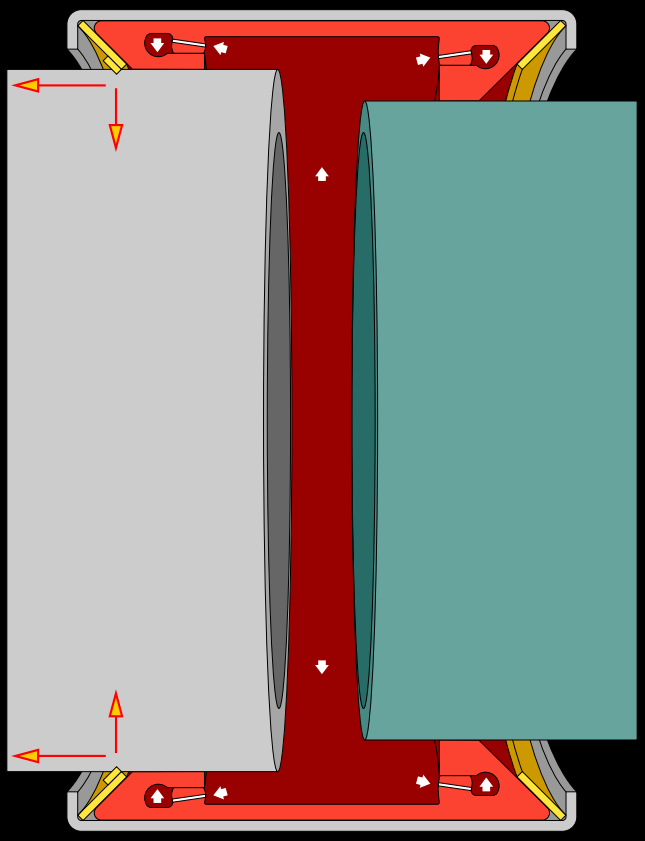
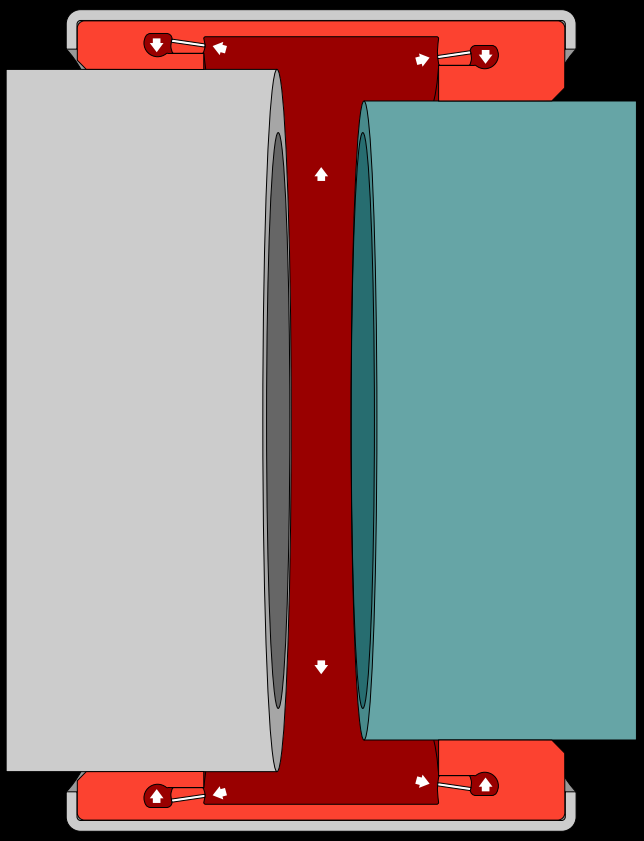
ARPOL TRANS





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TECHNICAL SPECIFICATIONS:

- 1, 2 or 3 - look casing
- Specially designed rubber gasket (various models)
- Steps of up tc 38 mm between outside diameters
- Working pressures up to 10 bar

Flexible couplings for connecting pipes with different outside diameter

ARPOL®

ARPOL TRANS

ARPOL-TRANS Difference (mm) between outside diameters

O.D. mm	ARPOL TRANS-5		ARPOL TRANS-10		ARPOL TRANS-20		ARPOL TRANS-30	
	2 locks	3 locks	2 locks	3 locks	2 locks	3 locks	2 locks	3 locks
	Min. Max.	Min. Max.	Min. Max.	Min. Max.	Min. Max.	Min. Max.	Min. Max.	Min. Max.
47 to 159	please consult	- -	- -	- -	- -	- -	- -	- -
160 to 230	2 10	- -	- -	- -	- -	- -	- -	- -
230 to 250	2 10	2 11	- -	- -	- -	- -	- -	- -
251 to 299	2 10	2 11	5 15	4 16	15 25	14 26	- -	- -
300 to 349	2 10	2 11	5 15	4 16	15 25	14 26	25 35	24 36
350 to 499	2 10	2 12	5 15	3 17	15 25	13 27	25 35	23 37
> 500	2 11	2 13	4 16	2 18	14 26	12 28	24 36	22 38

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ARPOL TRANS - Fitting instructions

All ARPOL couplings are supplied with the following basic fitting instructions on the label:

- ► ARPOL reference which includes the tolerance. Should different O.D. be joined, please check admissible values.
- ► Working Pressure (bar)
- ► Test Pressure = **1,5** working pressure
- ► Torque value (N/m)

In order to enable the ARPOL coupling to work correctly it is very important to respect the torque value.

To fit the ARPOL trans couplings, we recommend following these steps:

1 ► Clean pipe ends and eliminate any irregularity.

2 ► Mark both pipe ends symmetrically at a distance from the edge equivalent to half of the coupling width.

3 ► Confirm that the coupling orientation is the adequate: The thicker rubber end is place at the smaller diameter.

4 ► Slide the coupling over one pipe end without opening the coupling.

5 ► Bring the other pipe end to a facing position. Make sure the pipes are aligned concentrically and that both pipe ends are correctly supported.

6 ► Place the coupling between the marks and confirm that the inner steel bridge is correctly placed under the lock.

7 ► Tighten screws:

When the coupling has more than one lock, it is important to confirm that all the locks are equally open, even if the different bolts in each lock are not identically tightened.

7.1. Start the tightening of screws using a click wrench with a nozzle.

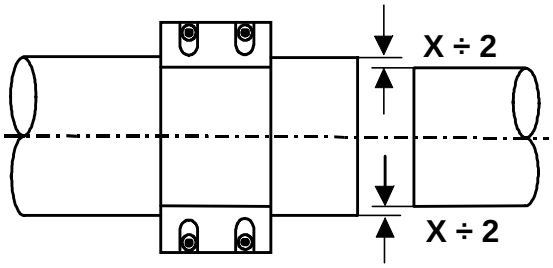
- **2 screws lock:** tighten both screws by alternative short movements until you nearly reach the end, but **do not exceed the torque value**.
- **3 screws lock**: First tighten the central screw up to **10** mm.
  Then tighten exterior screws positioning them at the same level as the central screw. Keep tightening the three screws by alternative short movements until you nearly reach the end, but **do not exceed the torque value**.

7.2. Finish the tightening with a dynamometric wrench with sound signal.

- Adjust the wrench to **the torque value printed on the coupling label**. Keep tightening screws alternatively with the dynamometric wrench until you can hear the ‘click sound’ at the beginning of the tightening.

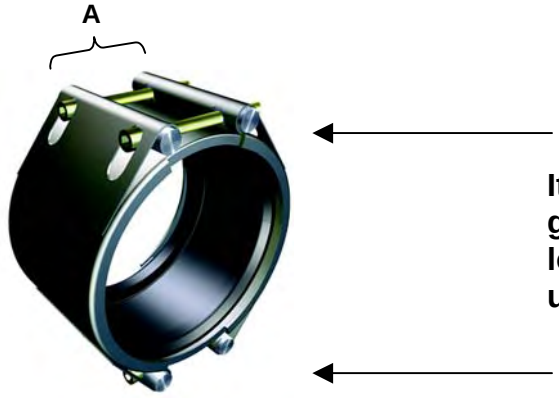
8 ► If necessary, you may hydraulically test the coupling up to 1.5 the working pressure (see label).

ARPOL TRANS COUPLINGS:



THE DIFFERENCE IN O.D. MUST BE EQUALLY DISTRIBUTED

The locks absorb <u>part</u> of the difference between O.D.s (A). Furthermore, couplings are fitted with a special rubber gasket that balances the <u>remaining</u> difference.



It is important that gaps between locks must be uniform.

ARPOL TRANS COUPLINGS ARE NOT DESIGNED TO SUPPORT THE PIPE OR TO PREVENT AXIAL MOVEMENTS. THEREFORE, THE PIPE MUST BE PROPERLY SUPPORTED AND ANCHORED.