PAM grip collars

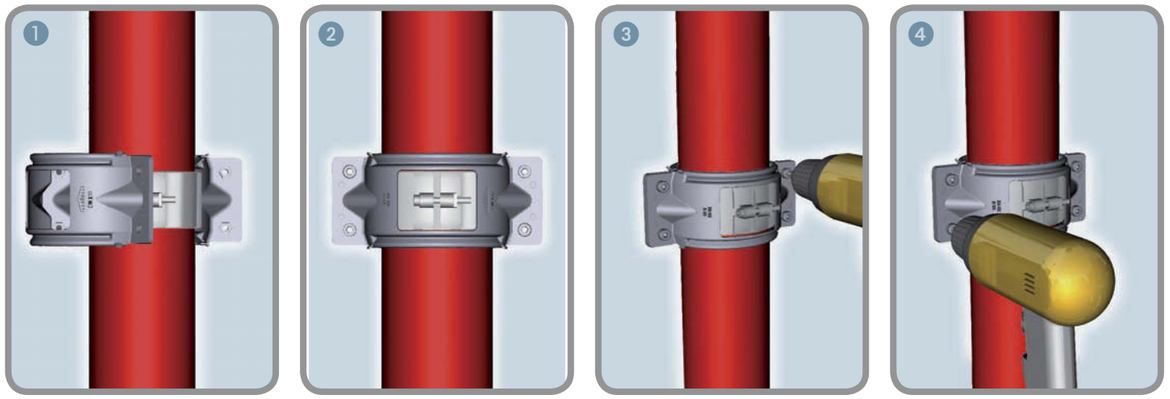
Pressure resistance

The PAM grip collars have very good pressure performance same as those of the couplings designed by PAM, and in excess of the Standard requirements.

They have been tested along with the PAM designed couplings and reached the following performance: DN 50-125: 10 bar / DN 150 -200: 5 bar

General recommendations

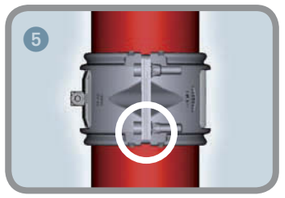
1 Position the two half parts of the PAM grip collar uniformly so it encircles the pipe in parallel. The grip collars must be positioned so that the apertures fit over the fixing bolts of the coupling and the teeth are directly located onto the pipe.



2 Insert the four screws to fix the two parts together loosely.

3 Tighten the screws crosswise alternatively so that the two plates
4 are put in parallel with the same spacing.

5 The assembly is completed when the external edges of the plates are in contact on both sides.



Tightening torques indication

The PAM grip collar is designed to be fully tightened, so there is no need checking the torques. To ease the torque programming of power tools, the following values are given for indication:

Indicative torques: DN 50-125: 20 N.m / DN 150 -200: 30 N.m

The PAM grip collar is designed to withstand four assembly cycles.

Nota: The PAM grip collar has been designed to be compatible with all the couplings from the PAM catalogues –including the PAM ductile iron couplings.

Screws and tools

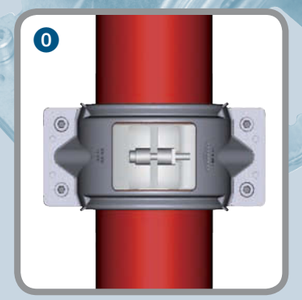
DN	Screws	Allen key
50 - 150	M 8	6 mm
200	M 10	8 mm

Installation recommendations

In certain fitting arrangements (see below) care needs to be given to the positioning of the grip collars. This calls for a special installation procedure to avoid any on-site difficulty.

For these specific fittings, be careful about how the couplings screws are positioned before the grip collars are installed 1.

The positioning must be cautiously made, so that the grip collar windows are not seated on the clamps of the coupling and the claws are not swatting the coupling strap 0.



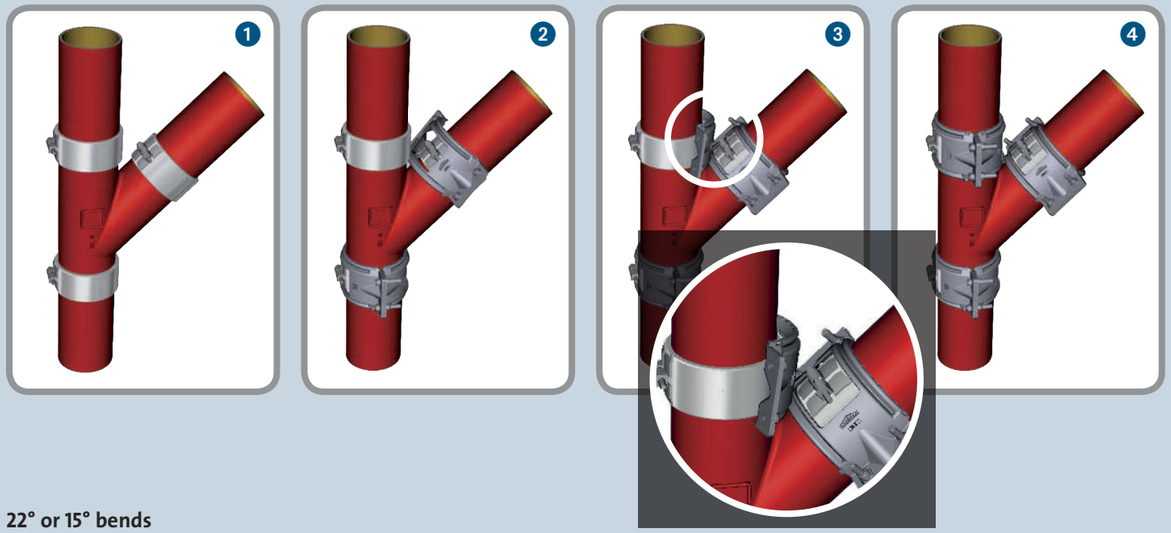
Exemple: 45° branches

Assemble the first grip collar on one of the two couplings 2.

Position a half of the second grip collar so that their bottom rib and groove are intertwined 3.

This operation may call for adjustment of the first grip.

When the final positioning is reached, tighten the screws so that the edges of the plates are in contact 4.



22° or 15° bends

Assemble the first grip collar on one of the two couplings 2.

When the final positioning is reached, tighten the screws so that the edges of the plates are in contact 3.