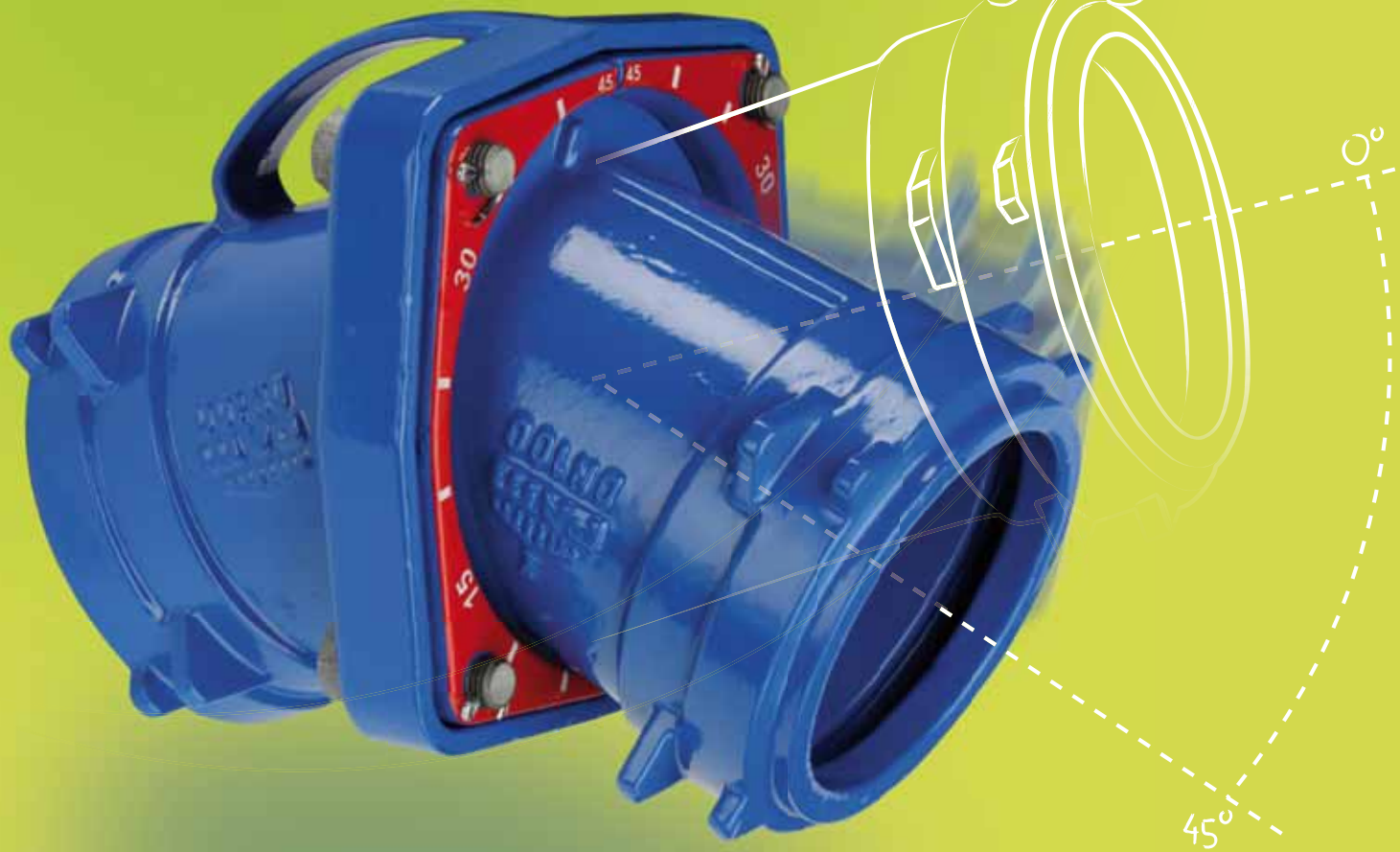


PAM



KAMELEO

The first versatile,
modular and variable
angle fitting from
 0° to 45°

PIPELINES
FOR DRINKING WATER SUPPLIES
DN 80 - DN 100 - DN 150


SAINT-GOBAIN
PAM



The first versatile, modular and variable angle fitting

PAM, Innovation at your service

With more than 150 years experience, PAM is committed to its corporate culture of ongoing innovation, built on its proven skill and know-how.

At a time when water is becoming an increasingly valuable resource, PAM offers pioneering and longlasting solutions for the modernisation of drinking water networks.

The new **KAMELEO** variable angle fitting forms part of this long-standing tradition of progress and development. Modular and versatile, it adapts to all new pipeline networks and repair/maintenance sites for drinking water supply, and with this new fitting range you will use just few items.

Please refer to our website www.pamline.com for full details of assembly regarding the KAMELEO versions, operation and field applications.



A full range of solutions at your disposal

KAMELEO advantages

■ Saving time and effort while laying

- Pre-assembly outside the trench.
- Jointing by hand.
- Reduced number of bolts while guaranteeing leaktightness.
- Ease of laying thanks to the variable orientation making it easy to find the required angle.

■ Saving costs

- With a **KAMELEO** fitting, it is possible to obtain different angles, replacing several traditional pieces normally required on site.

■ Simplifying stock and logistics

- One **KAMELEO** fitting, with the 4 **KAMELEO** kits, replaces a combination of 36 traditional bends.
- Service improvement.
- Stock management simplified.
- Reduced stock volume.

Thanks to the multiple junctions and version options, the **KAMELEO** range offers a large number of combinations that guarantees a bespoke solution every time.



▲ In some cases, KAMELEO is the only possible solution.



Versatile **KAMELEO** range

■ For new pipeline networks

- The **KAMELEO** fitting allows a lower or greater angle that can not be obtained with traditional fittings.
- Creation of complex angles that would otherwise require two bends.
- Allows the connection of two pipelines that are not aligned.
- Connection to an existing pipeline.
- In cramped areas or in tunnels.

■ For maintenance and repair work

In its flanged socket and mechanical junction collar versions, the **KAMELEO** fitting slides completely along the pipe at 0°. It repairs a self-anchored pipeline replacing two couplings and a cut. The **KAMELEO** Express Vi «special insertion» kit is used to anchor on a static spigot.

KAMELEO

Reliability and easy installation

What makes **KAMELEO** stand out from the rest is its ability to adapt to your requirements.

Continuously variable angle from 0° to 45°

The adjustable angle makes installation simple.

KAMELEO avoids the need for multiple bends to combine fixed angles (45°, 22.5°, 11.25°) to achieve the required angle.

Only a single **KAMELEO** fitting is needed for complex angle positions. A 'universal' fitting that adapts to your needs.



In compliance with Standards and Regulations

- Type tests carried out in compliance with EN 545
- Semi-mobile flanges are compatible with flanges complying with EN 1092
- EXPRESS, STANDARD and Flanged joints are in compliance with EN 681-1
- The epoxy coating complies with EN14901 regulations
- Components in contact with potable water comply with European regulations and the Decree dated May 29th 1997.



▲ Continuous angle adjustment

▲ Angle is locked by tightening the central joint.



▲ Without KAMELEO
5 traditional fittings are needed

▲ With KAMELEO
the number is reduced to just 3 items

■ Reliability :

The **KAMELEO** fitting bears the quality hallmarks of all PAM solutions:

- Leaktightness guaranteed by the central joint sealed by O-ring
- Long-life : the fitting is protected by a 250µm blue epoxy powder coating and heat-galvanised steel nuts and bolts
- Security: reduced number of bolts with guaranteed leaktightness
- Pressure resistant: able to withstand an operating pressure of up to 16 bar



A bespoke versatile and modular solution

Thanks to the main component made up of the **KAMELEO** variable angle fitting and the 4 **KAMELEO** kits that adapt the end fitting, it adapts easily to offer a complete range.

KAMELEO is highly versatile, offering a full range of options.

4 junction kits

The modular nature of the **KAMELEO** range and its ability to adapt rapidly to all site situations is due to the joint options listed below that can be fitted to each end of the fitting:

- Flanged joints
- Mechanical joints
- Self-anchored mechanical joints
- Automatic joints
- Self-anchored automatic joints



STANDARD Gasket



STANDARD Vi Gasket



KAMELEO Flanged kit



KAMELEO Express kit



KAMELEO Express Vi kit



KAMELEO Express Vi "special insertion" kit



A complete range of solutions at your disposal

Modular and Versatile A truly "chameleon" fitting offering a full range of solutions

	JOINTS				
	Standard	Standard Vi	Flange	Express	Express Vi
Collar					
Flanged socket			KAMELEO		
Bend					



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