

## FLANGE ADAPTORS

Fucoli-Somepal has a wide range of flange adaptors, available in several patterns.

The flange adaptors are produced in ductile cast iron EN-GJS-500-7 (GGG50), epoxy coated with 250 microns minimum thickness and have a sealing gasket in EPDM (for drinking water systems) or NBR (for wastewater/sewage systems). The tensile model is also provided with a brass tensile ring to grip the pipe.

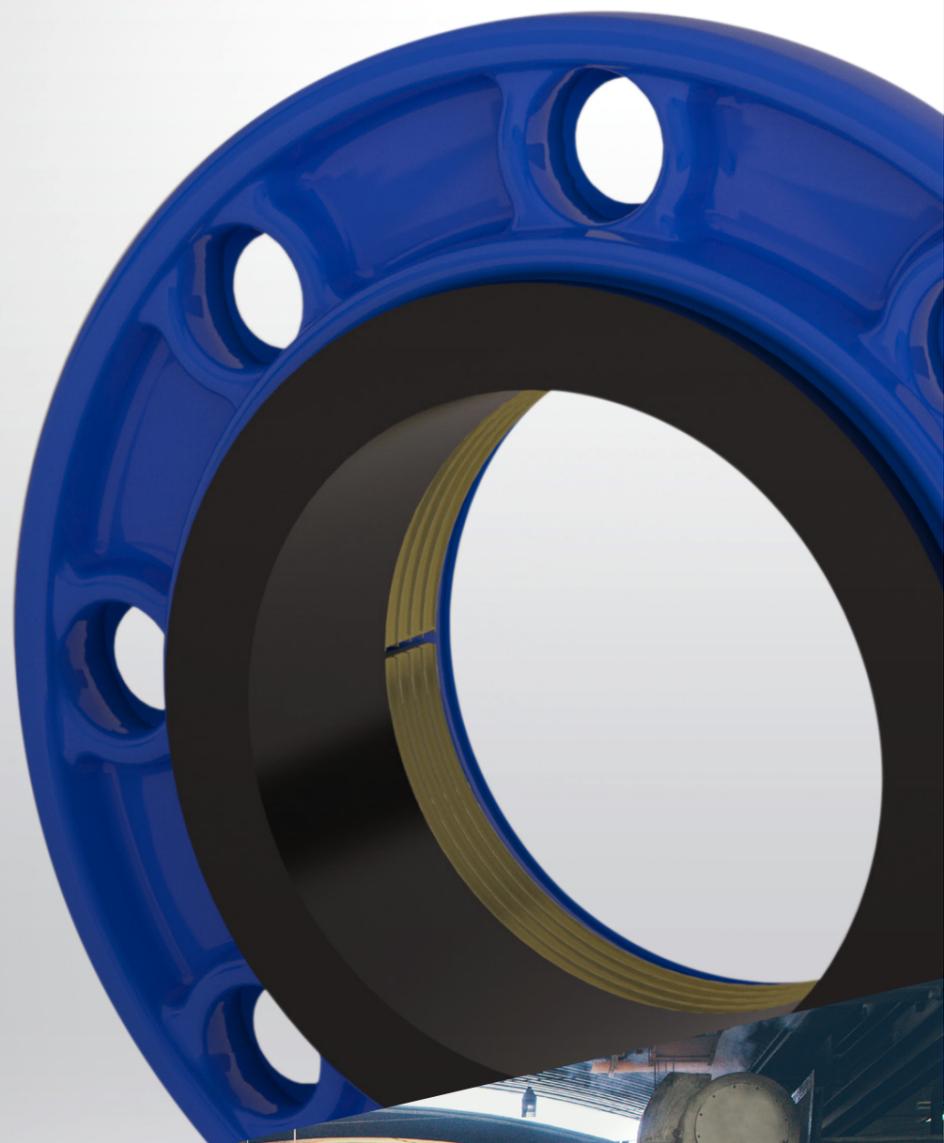
All flange adaptors models allow a 3,5° deflection angle of the pipe.

### Flange adaptors range:

•For PVC pipes from DN 50 up to DN 500 in PN 10 and PN 16;

•For PVC and PE pipes with tensile ring from DN 50 up to DN 500 and pressure ratings from PN 10 to PN25;

•For Ductile cast Iron pipes from DN 50 up to DN 600 in PN 10 and PN16;

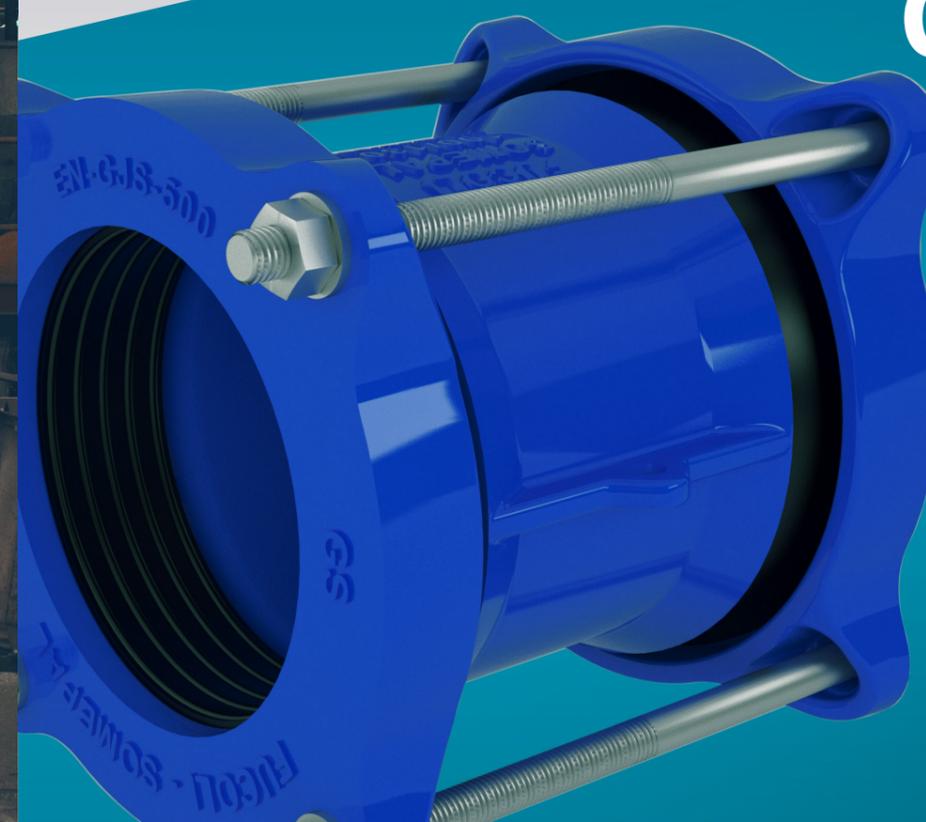


# Fucoli Somepal

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## Connection fittings



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### CORROSION PROTECTION

All products has an internal and external excellent corrosion protection. The coating quality is controlled according to the requirements of DIN 30677 and GSK (RAL-GZ662).

Fucoli-Somepal has three coating systems - robotic, automatic and semi-automatic - which is electrostatically applied epoxy coating with a minimum thickness of 250µm.

### CONTROL OF THE ENTIRE PRODUCTION PROCESS

The two Fucoli-Somepal factories are located in Portugal, where is controlled the entire production process ensuring a constant quality of its products. The selection of raw materials sources is rigorous and careful. All raw materials before received are analyzed in our laboratory.

Using a modern automatic pouring system, all products are manufactured in ductile cast iron EN-GJS-500-7 (GGG50).

The mechanization of the products is carried out using the latest CNC Machining technologies.



[www.fucoli-somepal.pt](http://www.fucoli-somepal.pt)

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## CONNECTION FITTINGS

Fucoli-Somepal offers a complete range of multimaterial couplings, flange adaptors and saddles with a wide range of diameters availability for water, wastewater/sewage and gas systems.

### MULTIMATERIAL COUPLINGS

The Multimaterial couplings designed and produced by Fucoli-Somepal are used to accommodate plain ended pipes with different outside diameters. This couplings are able to connect a wide variety of pipe materials including ductile iron, steel, PVC, cast iron, GRP and asbestos cement pipes among others.

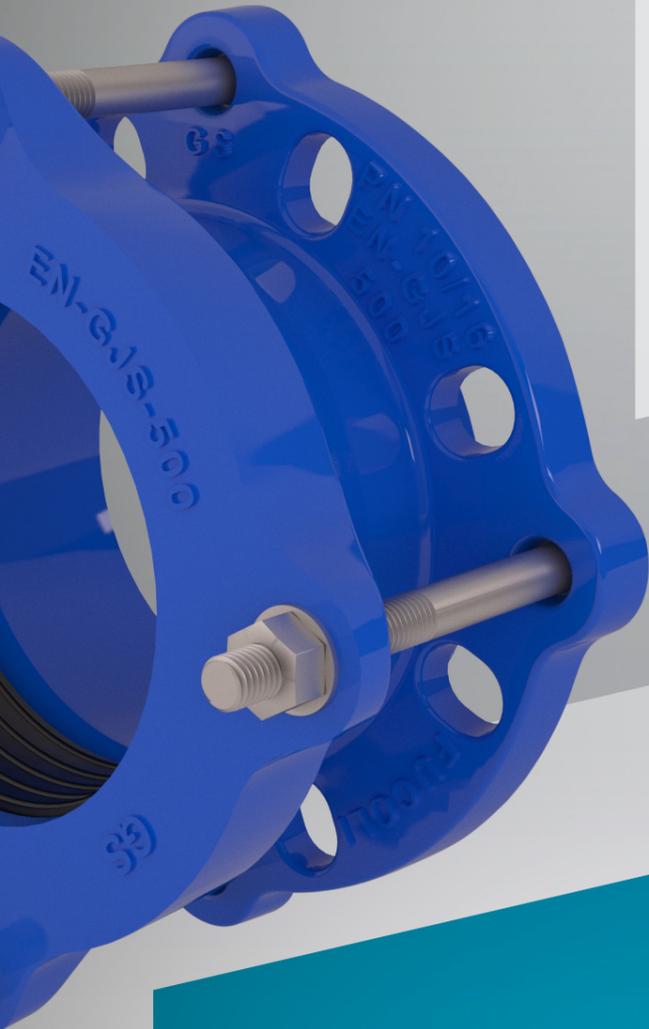
Fucoli-Somepal provides multimaterial straight and flanged couplings for outside diameter pipes from 25mm up to 1260mm and pressure ratings range from PN 10 to PN 16.

The couplings are produced in ductile cast iron EN-GJS-500-7 (GGG50) and have an innovative gasket in EPDM (for drinking water systems) or NBR (for wastewater/sewage and gas systems).

The Multimaterial couplings of Fucoli-Somepal have a tolerance range on the pipe OD from 30mm (DN 25 - DN 200), 35mm (DN 250 - DN 800) and 41mm (DN 900 - DN 1200).

This allow a significant stock cost reduction, once one coupling can be used to connect several OD pipes.

Developed for easy and simply installation is available as standard with a long sleeve, for greater cutting tolerances and greater pipe insertion depth assuring a permanent sealing. All models accommodate angularity between pipes which allows for normal pipeline movement due to ground settlement. Straight Couplings allow 6° total angular deflection (3° for flanged couplings).



### SADDLE SERIES BRAC PRO

Fucoli-Somepal offers a wide range of tapping saddles series BRAC PRO. This saddle was designed for PVC and PE pipes application.

It is available for pipes from DN 40 (OD 50) to DN 400 (OD 400) and female BSP threaded from 3/4" to 3", for all pressure ratings up to PN 25.

The series BRAC PRO is produced in ductile cast iron EN-GJS-500-7 (GGG50), have a internal EPDM sealing system and four A2 stainless steel bolts, to guarantee greater resistance to corrosion and a longer useful life.

The BRAC PRO sealing system is in full contact with the entire diameter of the PE or PVC pipe and is glued into the saddle internal body for easy assembly. Around the outlet has a set of five orings that assure an extremely efficient sealing.

With robust design, long pattern length and tightening system with four bolts, guarantees a great stability and fixation to the pipe. The screw tightening system is made directly into the under-body of the saddle, avoiding the nut use for easy assembly.



### SHUT-OFF ADAPTER SERIES ATC PRO

The series ATC PRO was designed for under pressure drilling with every type of threaded saddle.

This product was conceived to be adapted to a saddle thread with a female 2" outlet, works with a stainless steel blade which inserts in a POM cassette with EPDM seals incorporated. After drill the pipe using the machine, the blade is inserted and thus obtaining the seal. After the new branch is made and connected with the ATC-PRO adapter, the blade is withdrawn allowing the inflow of water in the new branch.



### MULTIMATERIAL FLANGED BRANCH SADDLE

The Multimaterial flanged branch saddle designed and produced by Fucoli-Somepal can be used in different outside diameters pipes.

This saddle have a 15mm tolerance range which allow a significant stock cost reduction, once one saddle can be used in several OD pipes and materials, like ductile iron, steel, PVC, cast iron, GRP and asbestos cement pipes, among others.

The Multimaterial flanged branch saddle is produced in ductile cast iron EN-GJS-500-7 (GGG50), have an internal EPDM sealing system and four A2 stainless steel bolts, to guarantee greater resistance to corrosion and a longer useful life.

The sealing system is in full contact with the entire diameter of the pipe and is glued into the saddle internal body for easy assembly. The sealing has a innovative shape design in order to assure an extremely efficient sealing independently of pipe material installed.

With robust design, long pattern length and tightening system with four bolts, guarantees a great stability and fixation to the pipe.