



# MULTIMATERIAL COUPLING H-FIX

 **100%  
MADE IN  
PORTUGAL**

At Fucoli-Somepal, we are committed to preserving our planet's precious natural resources.

Through **innovation** and dedication, we strive to minimise our **carbon and water footprints**, ensuring a more sustainable future for generations to come.

Our ductile iron solutions not only meet industry standards but also incorporate eco-conscious practices, reflecting our ongoing commitment to **environmental sustainability**.

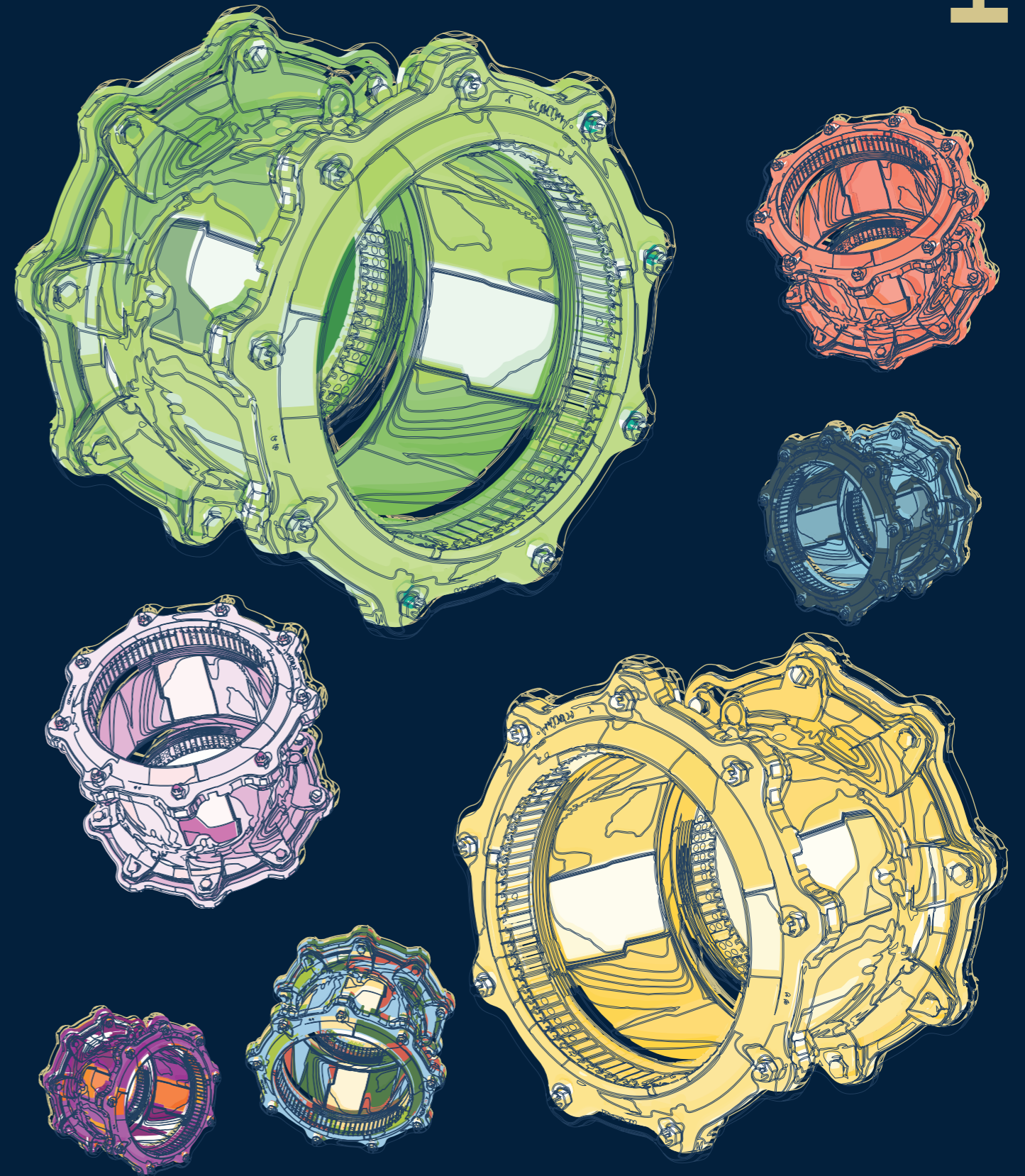
Join us in creating a greener tomorrow!



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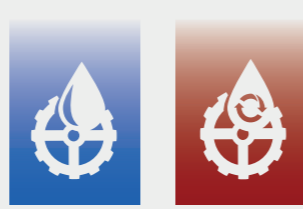


**Fucoli-Somepal**  
FUNDIÇÃO DE FERRO, S.A.



# MULTIMATERIAL COUPLING

## H-FIX



PATENTED PRODUCT



APPROVALS



Designed for reliable pipe restraint in large-diameter water and wastewater pipelines, the Fucoli-Somepal **H-FIX** combines robust construction, secure gripping and long-term corrosion protection.

Its protected internal sealing, **patented gripping system** and securely retained locking system deliver dependable performance across different pipe materials, while supporting fast, safe installation and reliable long-term service.

**LOCKING RING**  
Ductile iron EN-GJS-500-7

**GRIPPER SUPPORT**  
POM

**SEALING**  
EPDM (water)  
NBR (residual/wastewater)

**RIVETS WITH MILLING**  
Tempered steel

**BODY**  
Ductile iron EN-GJS-500-7

**GRIPPER**  
POM

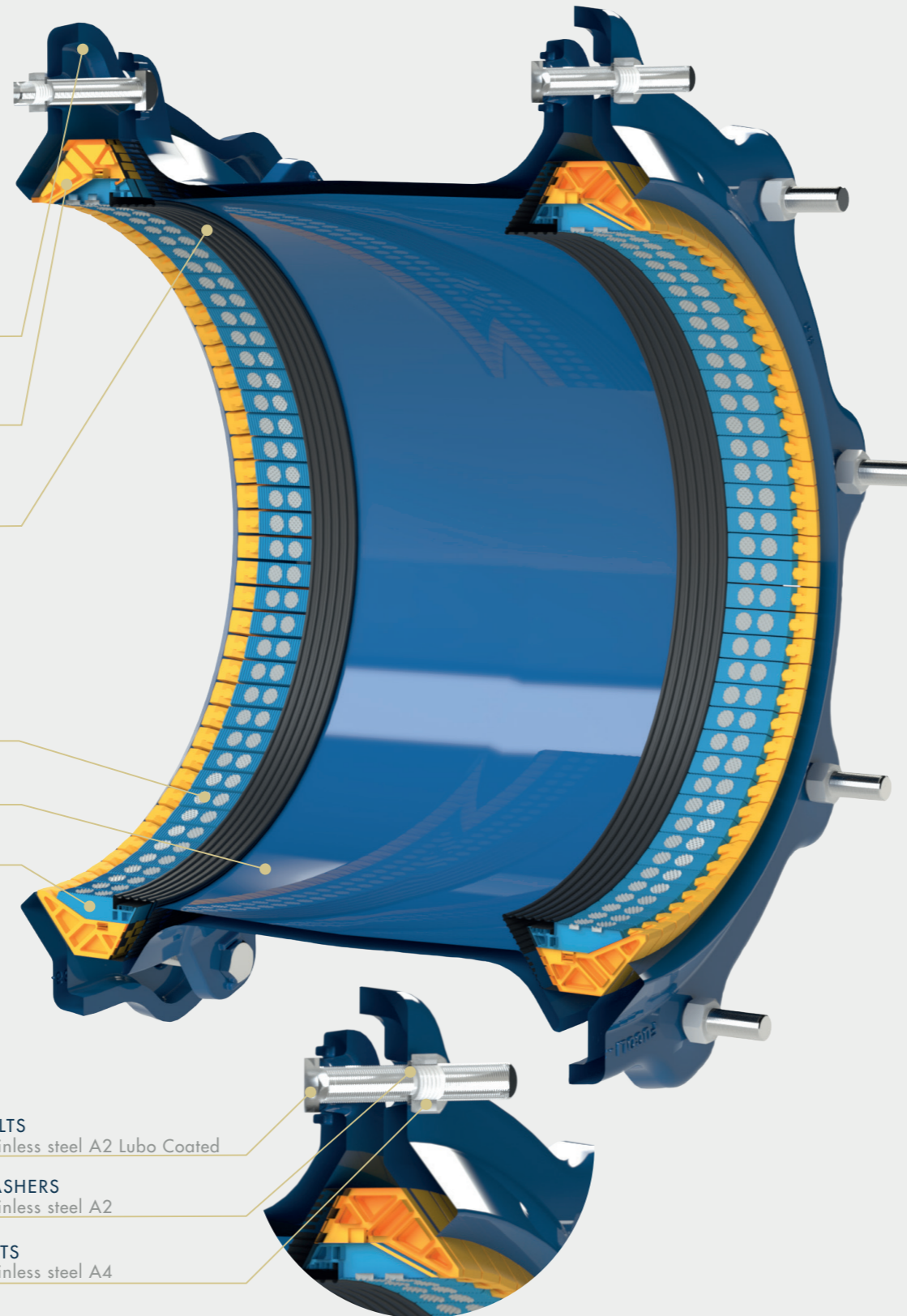
**BOLTS**  
Stainless steel A2 Lubo Coated

**WASHERS**  
Stainless steel A2

**NUTS**  
Stainless steel A4

### AREAS OF USE

- Drinking water networks
- Wastewater networks
- Extensions and network upgrades
- Maintenance and repair works
- Industrial applications
- Large-diameter above-ground and underground installations



## FEATURES

- Size range: **DN 450 to DN 800**
- Tolerance range: Up to 40 mm
- Working pressure (PFA): 10 bar restrained / 16 bar non-restrained
- Design standard: EN 14525
- Up to 8° angular deflection for couplings and 4° for flange adaptors.
- High-quality **GSK** approved epoxy coating, 250 µm minimum thickness, for enhanced corrosion protection and long service life.
- Approved for drinking water applications
- Suitable for multiple pipe materials and outside diameters
- Suitable for underground and above-ground installation
- **Full end load restraint** across the full working pressure range
- Secure gripping without damaging the pipe outer surface
- **Securely retained locking system** for reliable handling, installation and repeated reuse
- Available in two different colours for easy pipeline network identification:
  - **Blue RAL 5005** for water
  - **Red Brown RAL 3011** for wastewater

## WHAT TO EXPECT:

- Designed for large-diameter pipe connections
- One solution for multiple pipe materials and outside diameters
- Secure restraint without damaging the pipe outer surface
- Full end load restraint for reliable long-term performance
- Simple installation with no special tools required
- Reusable design to support lower lifecycle costs
- GSK approved epoxy coating for enhanced corrosion protection

The Fucoli-Somepal H-FIX is a large-diameter restrained multimaterial coupling developed for water transport, water distribution, wastewater and industrial applications. Designed for demanding pipeline conditions, it delivers secure restraint, reliable sealing and efficient installation across a wide range of large pipe diameters.

Its unique gripping rivet design enables secure gripping on both plastic and rigid pipes without damaging the pipe outer surface, while the protected internal sealing contributes to dependable long-term performance. The securely retained locking system further supports safe handling, efficient installation and repeated reuse in demanding site conditions.



**100% PRODUCED IN PORTUGAL**  
FROM **START TO FINISH**