



Introducing a premium line of couplings and fittings designed to withstand the harshest conditions. The Corrofit line for grooved piping systems is engineered to endure the effects of decolorisation by UV light and to have a better resistance to extremely corrosive environments.

Characteristics

- Higher corrosive resistance.
- Better endurance in aggressive environments.
- Excellent resistance against mechanical damage.
- Salt Spray Test (ISO 9227/ASTM B117):
 - Castings: >1440 hours.
 - Bolts & nuts: Geomet® >720 hours.
- Exterior durability: ISO 2810 (1 year Florida exposure 45°C).

Applications

- Aesthetically sensitive applications.
- Insulated chilled water applications.
- Coastal environments with high pollution.
- Industrial environments & plants.
- Tropical humid & aggressive environments.

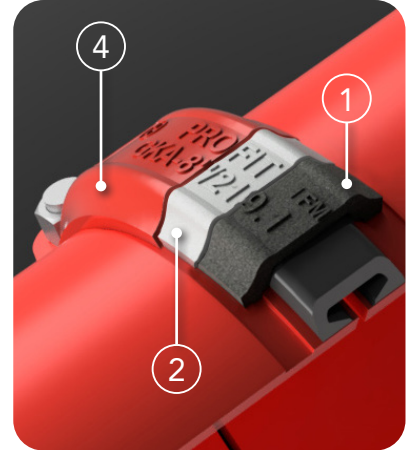


Material specifications

A. Castings

Ductile iron conform to ASTM A536 gr 65-45-12 with a two-layer coated surface protection system on surfaces exposed to environmental conditions:

1. Sandblasting Sa2.5.
2. Hot dip galvanising (EN ISO 1461).
3. Intermediate surface treatment.
4. Organic cover layer:
 - High quality UV-resistant powder coating paint (polyester-based).
 - End colour: RAL 3000.
 - Applicable standard: NEN-EN 15773:2018.



B. Bolts, nuts and R-spacers


Medium carbon steel according to ISO 898, quenched and tempered:
Geomet® 321B coating / layer thickness >8µm.

Intended use

Couplings & fittings can be used in following conditions (according to ISO 12944):

- Fittings and fitting body parts with two-layer coating (1440h NSS):
 - Corrosivity category C4: very high durability (>25 years).
 - Corrosivity category C5: high durability (15-25 years).
- Geomet® bolts & nuts (720h NSS):
 - Corrosivity category C4: high durability (15-25 years).
 - Corrosivity category C5: medium durability (7-15 years).

Available products from stock with the following order references

- **GKAGR**
- Size range 1" up to 12".
- **GB90GR**
- Size range 1" up to 12".
- **GB45GR**
- Size range 1" up to 12".
- **GTGR**
- Size range 1" up to 12".
- **FitproGR**
- Size range 1¼" up to 4". 

All other grooved Profit brand products are also available in Corrofit, upon request, to fit your needs.

Notes

Geomet® 321B is compliant with:

- REACH
- 2011/65/EU
- 2015/863/EU
- ASTM F1136 / F 1136M
- EN 13858
- ISO 10683

GENERAL INFO

- Installers should be trained or experienced to install and understand the product.
- Before installation, carefully check the product on any damage during shipment or handling.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit products.
- Check if the pressure rating of the product is compatible with the service conditions.
- Depressurise and drain the sprinkler installation system before attempting to install, remove or adjust any Profit products.
- Never work on piping systems that are pressurised and / or filled with water or pressurised air.
- Piping Logistics reserves the right to change specifications, designs and / or standard equipment without notice and without incurring in any obligations.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes, goggles and gloves).



Failure to follow these instructions could result in property damage, serious injury or death.

Our product must always be stored in closed and dry environments. Once installed on an above ground sprinkler system, they require no specific maintenance.

REVISION TABLE

Date	△	Notes
11/02/2025		Initial release.
25/02/2025		Page 2 - Specified ss to NSS (Neutral Salt Spray).
06/10/2025		Page 1 to 3 - Removal of old references to coating and protection options.
22/10/2025		Page 1 - Addition of Galva coupling.
12/01/2026	D	Page 3 - Addition of Fitpro coupling.