



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 to aggressive environments.
- Excellent resistance against mechanical damage.
- Salt Spray Test (ISO 9227/ASTM B117):
  - Castings: >1440 hours.
  - Nuts & bolts: Geomet® >720 hours.  $\triangle_B$
- 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 color: RAL 3000.
  - Applicable standard: NEN-EN 15773:2018.



### B. Bolts, nuts and R-spacers

Medium carbon steel acc 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 body parts of fittings with 2LC (1440h NSS):
  - Corrosivity category C4; durability Very High (>25 years).
  - Corrosivity category C5; durability High (15-25 years).



- Geomet® bolts (720h NSS):
  - Corrosivity category C4; durability High (15-25 years).
  - Corrosivity category C5; durability Medium (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".

*All other Profit brand grooved products are also available on request, in container.*

**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.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit piping products.
- Depressurise and drain the sprinkler installation system before attempting to install, remove or adjust any Profit piping products.
- Never work on piping systems that are pressurised and / or filled with water.
- 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 and goggles, Profit gloves).



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

**We advise to always store our products in closed and dry environments, the products do not need any specific maintenance once installed on an above ground sprinkler installation.**

## REVISION TABLE

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