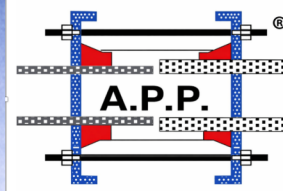


APP-PE

PE Coupling



hedef
Engineering Services
Industry and Trade Inc.

Pull-Out Resistant, Rigid and Secure Connection for Polyethylene Pipes

APP PE Pipe Connection Adaptors are specifically designed to securely connect HDPE and PE100 pipelines. Thanks to the integrated gripping ring system, the adaptor prevents axial pipe movement (pull-out forces), providing a rigid and fully restrained connection without the need for additional anchoring.

KEY ADVANTAGES



- ▶ Specially designed for PE / HDPE pipes
- ▶ Compatible with various pipe materials (Ductile iron, Cast iron, Steel, AC, PVC, PE, etc.)
- ▶ Flexible use with wide diameter tolerance
- ▶ Secure gripping and fixation on PE pipes
- ▶ Reliable and leak-tight repair solution for PE pipelines
- ▶ Easy installation even under harsh and underwater conditions
- ▶ Fast installation with a single wrench, reducing labor costs
- ▶ Permanent solution against leakage and seepage
- ▶ Long-lasting and reliable performance

PARTS AND MATERIAL SPECIFICATIONS

No	Component	Material and Technical Details
1	Sleeve	ST 37 STEEL. High-strength, load-bearing structure.
2	End Rings	Ductile Iron (GGG40/50) / ST37. Pressure covers that exert force on the gasket.
3	Grip Rings	ST 37 Steel. Ensures axial stability of the pipe.
4	Tee Bolts/Bolts	Galvanized 8.8 Steel / AISI 304 / 316 Stainless Steel. Exceptional corrosion
5	Conical Gasket	EPDM / NBR. Pressure-sensitive sealing technology.
6	Nuts and Washers	Galvanized 8.8 Steel / AISI 304 / 316 Stainless Steel. Reliable locking mechanism
7	Coating	Epoxy/Thermoplastic Coating. Durable protection, extended longevity.

AREAS OF APPLICATION

- Potable water transmission and distribution lines (HDPE)
- Fire hydrant and sprinkler systems
- Agricultural irrigation main lines
- Valve and fitting connections in PE pipelines
- New pipeline connections and system integration
- Maintenance, repair, and rehabilitation works
- Industrial wastewater and process pipelines