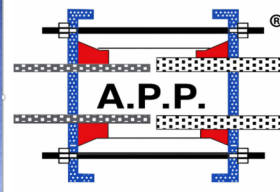


APP-R/PE

Reducing PE Coupling

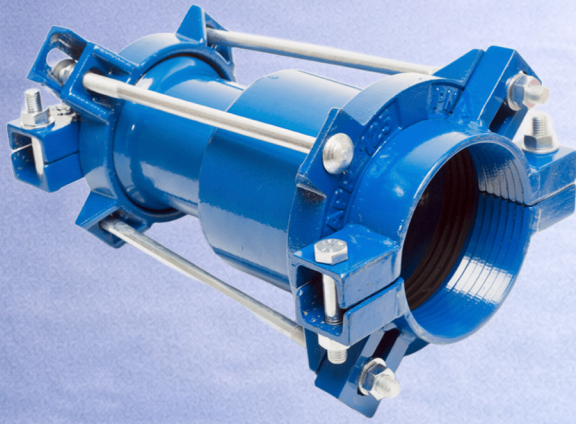


hedef
Engineering Services
Industry and Trade Inc.

Safe Diameter Transition and Connection for PE Pipelines: APP Solution

APP Reducing PE Pipe Connection Adaptors are specifically developed to securely connect PE / HDPE pipes of different diameters, both with PE pipelines and with other systems (Ductile iron, Cast iron, Steel, AC, PVC, GRP, etc.). Thanks to their optimized gripping and sealing structure, they provide a secure connection without damaging the sensitive surface of PE pipes.

KEY ADVANTAGES



- ▶ Compatible with various pipe materials (Ductile iron, Cast iron, Steel, AC, PVC, GRP, etc.)
- ▶ Full compatibility regardless of pipe diameter and material differences
- ▶ Combined reduction and connection solution in a single product
- ▶ Optimized gripping system for PE / HDPE pipes
- ▶ Easy installation even under harsh and underwater conditions
- ▶ Fast installation with a single wrench, reducing labor costs
- ▶ Cost-effective solution reducing stock variety

PARTS AND MATERIAL SPECIFICATIONS

No	Component Name	Material and Technical Details
1	Sleeve	ST 37 STEEL. High-strength structural component.
2	End Rings	Ductile Iron (GGG40/50) / ST37. Pressure covers for gaskets.
3	Grip Rings	ST 37 Steel. Ensures axial stability of the pipe.
4	Tee Bolts/Bolts	Galvaniz Kaplı 8.8 Çelik / AISI304 / 316 Paslanmaz.
5	Conical Gasket	EPDM / NBR. Pressure-sensitive sealing technology.
6	Nuts and Washers	Galvaniz Kaplı 8.8 Çelik / AISI 304 / 316 Paslanmaz.
7	Coating	Epoxy/Thermoplastic Coating. Durable protection, extended

AREAS OF APPLICATION

- Connection of HDPE pipelines with different diameters
- Applications requiring pipeline diameter transition
- Transition points between different pipe materials
- Quick transition points in network constrictions
- Diameter changes in pump and valve chambers
- New pipeline connections
- Expansion and integration of existing pipelines
- Maintenance and repair applications