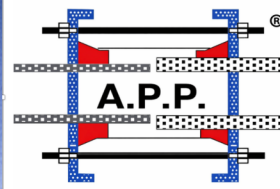


APP-R

Reducing Coupling

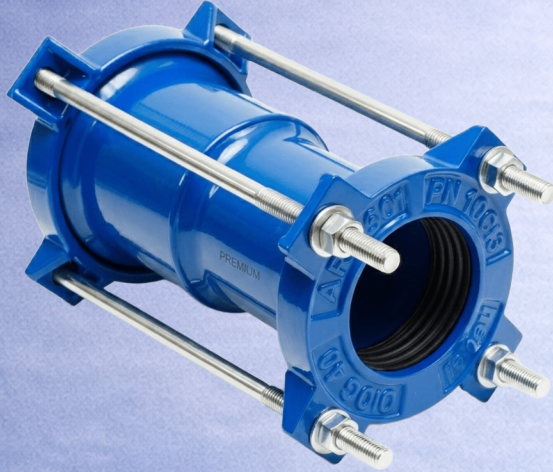


hedef
Engineering Services
Industry and Trade Inc.

APP Technology for Connecting Different Pipe Diameters in a Single Body

APP Reducing Couplings are designed to securely connect pipelines with different internal and external diameters and to provide a reliable solution in case of failures. Thanks to their wide tolerance range, they eliminate the need for intermediate pieces, offering a practical and efficient installation solution.

KEY ADVANTAGES



- ▶ Compatible with various pipe materials (Ductile iron, Cast iron, Steel, AC, PVC, PE, GRP, etc.)
- ▶ Full compatibility regardless of pipe diameter and material differences
- ▶ Flexible use with wide diameter tolerance
- ▶ Flexible structure compensating angular deviations up to 6°
- ▶ Expansion and contraction tolerance up to 10 mm
- ▶ Easy installation even under harsh and underwater conditions
- ▶ Fast installation with a single wrench, reducing labor costs
- ▶ Cost-effective solution reducing stock variety application.

PARTS AND MATERIAL SPECIFICATIONS

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

AREAS OF APPLICATION

- Potable water and infrastructure pipelines
- Industrial pipeline systems
- Treatment plants and pumping stations
- New pipeline connections
- Expansion and integration of existing pipelines
- Transition points between different pipe materials
- Maintenance and repair applications