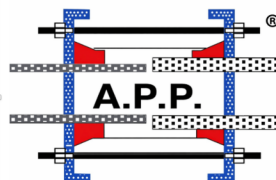


APP-DRS

APP Type Bend



hedef

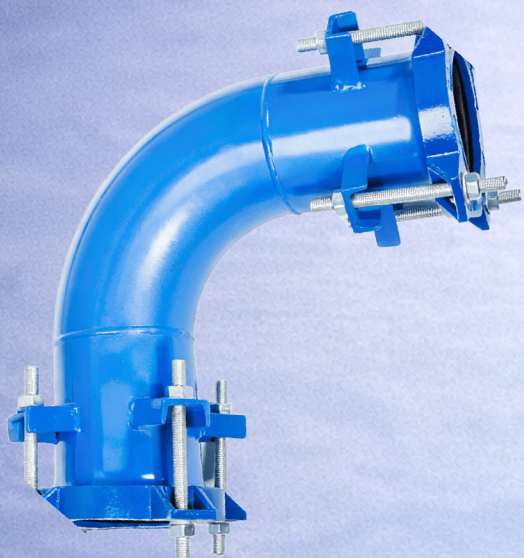
Engineering Services
Industry and Trade Inc.

Maximum Flexibility and Safe Direction Change in Pipelines: APP Elbow Technology

APP Type Bends are high-performance engineering solutions designed to change the direction of pipelines, featuring wide-tolerance connection ends. They not only redirect the pipeline but also provide secure connection and leak-tight sealing for all types of pipes within a single component.

KEY ADVANTAGES

- ▶ Available in standard angles of 90°, 45°, 22.5°, and 11.25°, with custom angle production options
- ▶ Wide-tolerance connection system on both ends eliminates the need for additional adaptors, combining direction change and pipe connection in a single unit
- ▶ Enables direct connection and direction change between different pipe materials (Ductile iron, Cast iron, AC, PVC, PE, GRP, etc.)
- ▶ Optional flanged end allows safe and easy connection of valves, flow meters, and similar equipment
- ▶ Absorbs angular deviations up to 6° and accommodates ground movement
- ▶ Expansion and contraction tolerance up to 5 mm
- ▶ Cost-effective solution reducing stock variety



PARTS AND MATERIAL SPECIFICATIONS

No	Component	Material and Technical Details
1	Adaptor Bend	ST 37 STEEL. High-strength, load-bearing structure.
2	End Rings	ST37 Steel. Pressure caps that exert force on the gasket.
3	Flange (opsiyonel)	ST 37 Steel. Compatible with multiple flange standards.
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
7	Coating	Epoxy/Thermoplastic Coating. Durable protection, extended longevity.

AREAS OF APPLICATION

- Potable water transmission and distribution pipelines
- Industrial pipeline systems
- Treatment plants and pumping stations
- Pipeline routing and direction change applications
- Valve and equipment connections
- Flow meter and instrumentation installations
- Pipeline repair and rehabilitation projects
- Pipelines composed of different materials