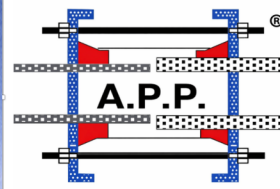


# APP-F/GGG

## Ductile Iron Flange Adaptor

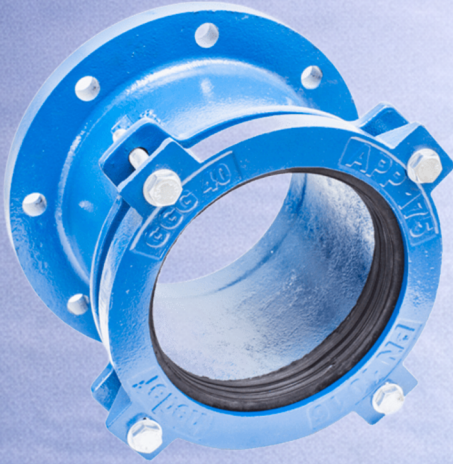


**hedef**  
Engineering Services  
Industry and Trade Inc.

### Secure and Durable Connection for Flanged Systems: APP Technology

APP Ductile Iron Flange Adaptors are developed to provide secure and leak-tight connections between pipelines and flanged equipment such as valves, pumps, and other systems. Thanks to their high-strength ductile iron (GGG40/50) structure, they deliver reliable and long-lasting performance even under heavy-duty operating conditions.

### KEY ADVANTAGES



- Compatible with various pipe materials (Ductile iron, Cast iron, AC, PVC, PE, GRP, etc.)
- Easily integrates different pipe types into flanged systems
- Facilitates dismantling and maintenance of flanged valves and equipment
- Compact design suitable for confined spaces and valve chambers
- Absorbs angular deviations up to 3° and ground movements
- Expansion and contraction tolerance up to 5 mm
- Fast installation under harsh site conditions, reducing labor costs
- High resistance to impact and mechanical loads

### PARTS AND MATERIAL SPECIFICATIONS

No	Component	Material and Technical Details
1	Sleeve	Ductile iron (GGG40/50). High-strength structural framework.
2	End Rings	Ductile Iron (GGG40/50). Pressure caps that exert force on the gasket.
3	Flange	Ductile iron (GGG40/50). 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 and infrastructure pipelines
- Industrial pipeline systems
- Treatment plants and pumping stations
- Valve and equipment connections
- Flow meter and instrumentation installations
- Transition points between different pipe diameters