

Ductile Iron Fittings

Range of proven-performance ductile iron fittings, flanged, socket and spigot fitting configurations.



TECHNICAL GUIDE: **APF1.6**

Applications

Potable water and wastewater pipelines

Water reticulation and irrigation

Water supply maintenance

Subdivisions

Pump Stations

Product Attributes

Bureau Veritas S Mark accredited

High strength construction

Plascoat coated

Installed above and below ground

Approvals/Standards

Approved to AS/NZ 2280 standard

Coating complies with AS/NZS 4158 and 4020 (WSAA Product Appraisal 05/12)

Quality

ISO 9001:2008 Quality Management Standard

Gillies proven-performance ductile iron fittings are designed to work in conjunction with common pipe materials and dimensions with flanged, socket and spigot fitting configurations.



FIG. 1 Plascoat PPA 571 coating process

Attributes

Gillies Metaltech has a proven record of performance in the Australian market, manufacturing ductile and cast iron fittings, valves, and hydrants. Gillies also manufacture a range of special purpose pumps for stormwater, mining and petrochemical applications as well as effluent pumps for the farming market.

While historically, Gillies products have been constructed to exact British standards, this has been supplemented by the achievement of Bureau Veritas S Mark accreditation.

Design Specifications

- Sizes up to DN600, including bends, tees, flanges, flange adaptors and tapers
- USJ fittings are suitable for operating pressure up to 35 bar
- Flanged fittings are suitable for operating pressure up to 16 bar as standard. Higher pressures available.
- Flanged fittings are drilled Table D as standard, with other flange drillings available upon request
- Maximum deflection in the socket is 3.5°
- Fittings are supplied with Plascoat PPA 571 coating for superior protection

Tees

Flanged, USJ,
Spigot configurations

Size range:
up to DN600



FIG. 2 Flanged Tee

Hydrant Tees

Flanged, USJ,
Spigot configurations

Size range:
up to DN600



FIG. 3 Flanged Hydrant Tee



FIG. 4 Socket Hydrant Tee



FIG. 5 Spigot Hydrant Tee

Bends

Flanged, USJ,
Spigot configurations

Size range: up to DN600

Angles: 11° 22° 45° 90°



FIG. 6 Bend USJ 11°



FIG. 7 Bend USJ 22°



FIG. 8 Bend USJ 45°



FIG. 9 Bend USJ 90°



FIG. 10 Bend Flange 11°



FIG. 11 Bend Flange 22°



FIG. 12 Bend Flange 90°

Flange Adaptors

USJ, Spigot configurations

Size range: up to DN600



FIG. 13 Socket Flange Adaptor

Flanges

Blank & tapped 2" BSP



FIG. 14 Flanges

Tapers

Flanged, USJ,
Spigot configurations

Size range: up to DN600



FIG. 15 Reducing Flanges



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