GILLIES metaltech

Ductile Iron Fittings

Technical Guide W3.2

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

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

We are the supply partner of choice for New Zealand's civil construction industry, specialising in water and infrastructure based solutions.

HYNDSwater

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.

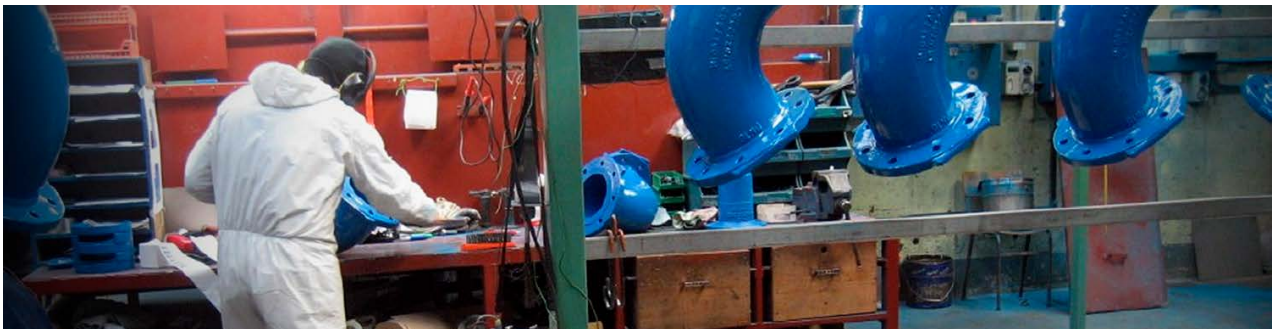

FIG. 1 Plascoat PPA 571 coating process

Attributes

Gillies Metaltech has a proven record of performance in the New Zealand market and is the only New Zealand manufacturer of 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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