



水務署  
Water Supplies Department

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檔號  
Reference (6) in WSD 3321/2025 T/J(1100/2025)

23 January 2026

**Approval of “BOLTON” Ductile Iron Fittings  
(General Acceptance No. ZC20260059)**

Your letter ref. AL/5532/WSD/GA+ dated 27 October 2025 and subsequent submissions received by this department up to 30 December 2025 refer.

Having considered the test reports ref. PMA52235A issued on 24 November 2025 by ETS-Testconsult Ltd. and ref. 250416-2334 issued on 25 July 2025 by Castco Testing Centre Limited, this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

**Name of Manufacturer:** Foshan Chanshan Foundry Co Ltd

**Country of Origin:** Chinese Mainland

**Brand:** Bolton

**Details of Fittings:** Ductile iron fittings with internal cement mortar lining

| Description               | Model  | Size (mm)                   |
|---------------------------|--------|-----------------------------|
| Double Socket 11.25° Bend | PCR110 | 80, 100, 150, 200, 250, 300 |
| Double Socket 22.5° Bend  | PCR220 | 80, 100, 150, 200, 250, 300 |
| Double Socket 45° Bend    | PCR450 | 80, 100, 150, 200, 250, 300 |
| Double Socket 90° Bend    | PCR900 | 80, 100, 150, 200, 250, 300 |



| Description                                 | Model  | Size (mm)                        |
|---------------------------------------------|--------|----------------------------------|
| Double Flanged 11.25° Bend<br>PN16          | FCR110 | 80, 100, 150, 200, 250, 300      |
| Double Flanged 22.5° Bend<br>PN16           | FCR220 | 80, 100, 150, 200, 250, 300      |
| Double Flanged 45° Bend<br>PN16             | FCR450 | 80, 100, 150, 200, 250, 300      |
| Double Flanged 90° Bend<br>PN16             | FCR900 | 80, 100, 150, 200, 250, 300, 400 |
| Double Flanged 90° Long<br>Radius Bend PN16 | FCL900 | 80, 100, 150, 200                |
| Double Flanged<br>Duckfoot 90° Bend PN16    | FCD900 | 80, 100, 150, 200                |
| Double Flanged 22.5° Bend<br>PN25           | FCR220 | 80, 100                          |
| Double Flanged 90° Bend<br>PN25             | FCR900 | 80, 100, 150, 200                |

**Body Markings:**

For Double Flanged Bends:

 FZ BS EN 545 DI K12 (PN)  
size x angle (Production ID)

For Others:

 FZ BS EN 545 DI K12  
size x angle (Production ID)

**Expiry Date:**

22 January 2031

This Authority hereby permits the use of the above fittings in fresh water plumbing systems, flushing water plumbing systems and fresh water fire services systems subject to full adherence to Waterworks installation requirements.

A condition of this acceptance is that the fittings to be installed shall be replicas of the samples as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fittings installed fails to meet that of the approved samples or if the fittings are found to be unsuitable for use in the water supply systems mentioned above.

For the use of the fittings in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fittings by this Authority.

Should you have any enquiries, please contact our Engineer Mr Albert CHOW at tel. no. 3583 4086.

Yours faithfully,



(CHAN Kwok Leung, Douglas)  
for Director of Water Supplies

Encl.

c.c.      WSD 3321/1/82    ] - without catalogue  
             ME/MC            ] - with soft copy only





Double Socket 11.25° Bend



Double Socket 22.5° Bend



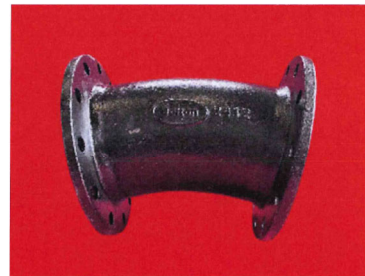
Double Socket 45° Bend



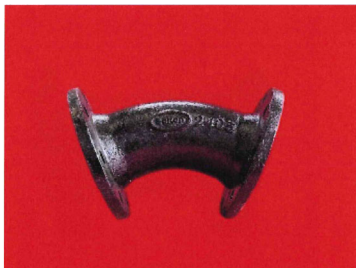
Double Socket 90° Bend



Double Flanged 11.25° Bend  
PN16



Double Flanged 22.5° Bend  
PN16



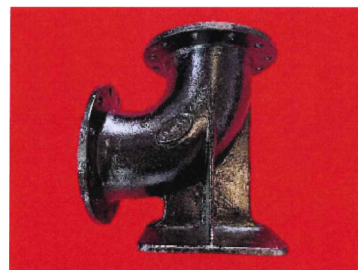
Double Flanged 45° Bend  
PN16



Double Flanged 90° Bend  
PN16



Double Flanged 90° Long  
Radius Bend PN16



Double Flanged  
Duckfoot 90° Bend PN16



Double Flanged 22.5° Bend  
PN25



Double Flanged 90° Bend  
PN25