



水務署
Water Supplies Department

總部 Headquarters

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本署檔號 : (4) in WSD 3321/2024 T/J(844/2024)
Our ref.
來函檔號 :
Your ref.

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7 October 2024

**Approval of “VZ” Ductile Iron Fittings
(General Acceptance No. C20240701)**

Your letters ref. C4427/WSD/JN454 and C4427/WSD/JN454(R) dated 22 August 2024 and 13 September 2024 respectively refer.

Having considered the test report ref. PMA42195 issued on 20 June 2024 by ETS-Testconsult Ltd. and WRAS certificate, 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: Liaoning Ever Metal Forming Tech Co Ltd

Country of Origin: the Mainland of China

Brand: VZ

Details of Fittings: Ductile iron fittings with epoxy powder coating under WRAS approval no. 2103504

Description	Size (mm)
Double Socket 90° Bend	80, 100, 150, 200, 250, 300
Double Socket 45° Bend	80, 100, 150, 200, 250, 300, 400, 450, 600
Double Socket 22.5° Bend	80, 100, 150, 200, 250, 300, 400, 450, 600
Double Socket 11.25° Bend	80, 100, 150, 200, 250, 300, 400, 450, 600

Description	Size (mm)
Double Flanged 90° Bend (PN16)	80, 100, 150, 200, 250, 300, 400, 600
Double Flanged 45° Bend (PN16)	80, 100, 150, 200, 250, 300
Double Flanged 22.5° Bend (PN16)	80, 100, 150, 200, 250, 300
Double Flanged 11.25° Bend (PN16)	80, 100, 150, 200, 250, 300

Body Markings:

Double Socket 90° Bend

For 80mm & 150mm:

VZ BS EN 545 DI K12 size x angle

For Others:

VZ BS EN 545 DI K12 1.6-2.4MPa size x angle

Double Socket 45° Bend

For 80mm & 100mm:

VZ BS EN 545 DI K12 size x angle

For Others:

VZ BS EN 545 DI K12 1.6-2.4MPa size x angle

Double Socket 22.5° Bend

For 80mm:

VZ BS EN 545 DI K12 size x angle

For Others:

VZ BS EN 545 DI K12 1.6-2.4MPa size x angle

Double Socket 11.25° Bend

For 80mm, 100mm & 150mm:

VZ BS EN 545 DI K12 size x angle

For Others:

VZ BS EN 545 DI K12 1.6-2.4MPa size x angle

Double Flanged 90° Bend (PN16)

For 80mm, 100mm & 150mm:

VZ BS EN 545 DI K12 PN16 size x angle

For Others:

VZ BS EN 545 DI K12 PN16 1.6-2.4MPa
size x angle

Double Flanged 45° Bend (PN16)

For 80mm:

VZ BS EN 545 DI K12 PN16 size x angle

For Others:

VZ BS EN 545 DI K12 PN16 1.6-2.4MPa
size x angle

Double Flanged 22.5° Bend (PN16)

For 80mm & 150mm:

VZ BS EN 545 DI K12 PN16 size x angle

For Others:

VZ BS EN 545 DI K12 PN16 1.6-2.4MPa
size x angle

Double Flanged 11.25° Bend (PN16)

For 100mm & 150mm:

VZ BS EN 545 DI K12 PN16 size x angle

For Others:

VZ BS EN 545 DI K12 PN16 1.6-2.4MPa
size x angle

Expiry Date: 31 March 2026

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,



(Terry KUNG)

for Director of Water Supplies

Encl.

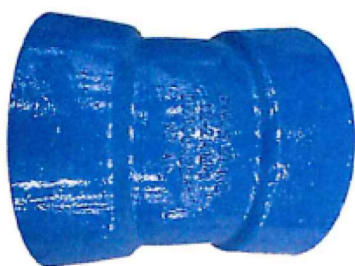
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Double Socket 90° Bend



Double Socket 45° Bend



Double Socket 22.5° Bend



Double Socket 11.25° Bend



Double Flanged 90° Bend (PN16)



Double Flanged 45° Bend (PN16)



Double Flanged 22.5° Bend (PN16)



Double Flanged 11.25° Bend
(PN16)