



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3613	8-Jul-2021	Number 5	Issue date 25-Mar-2026	30-Apr-2027

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Product designation

Jinan Meide, 321 Series, flexible, grooved split flanges

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Australian Fire Supplies & Fabrication Pty Ltd
Unit 1/32 Stennett Road, INGLEBURN, NSW, AUSTRALIA, 2565

Registrant

Australian Fire Supplies & Fabrication Pty Ltd
Unit 1/32 Stennett Road, INGLEBURN, NSW, AUSTRALIA, 2565

Producer

Jinan Meide Casting Co., Ltd.
Meide Science and Technology Park, Pingyin Industrial Park, JINAN, SHANDONG, CHINA, 250400

Conformance criteria and evaluation

The Jinan Meide, 321 Series, flexible, grooved split flanges have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Approval Standard FM Class Number 1920, 'Approval Standard for Pipe Couplings and Fittings for Aboveground Fire Protection Systems'.
2. Factory Mutual - Evaluation and approval, 'FM approval'.
3. Underwriters Laboratories Standard UL 213, 'Rubber Gasketed Fittings for Fire-Protection Service'.
4. Underwriters Laboratories - Evaluation and listing, 'UL listing'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. System design and installation shall be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction.

(Limitations/conditions of conformance continue)

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kaj Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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- ii. System design and installation requirements may specify a minimum wall thickness that precludes the use of some of the scheduled pipe sizes for certain applications and locations.
- iii. The dimensional and mechanical compatibility of pipes must be verified with the sizes of components by which they are connected or to which they connect.

Technical specification

The following details are a representative extract of the technical specification for the Jinan Meide, 321 Series, flexible, grooved split flanges and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Model No	Description	Nominal pipe size	Rated working pressure
321 a, b, c, d, e	Split Flange	1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 inches 76.1, 108, 133, 139, 159, 165 mm	2065 kPa (300 psi)
321S a, b, c, d, e		48, 60, 76, 89, 108, 114 mm	2515 kPa (365 psi)
321S a, b, c, d, e		133, 140, 159, 165, 168 mm	1550 kPa (225 psi)
321HS a, b, c, e, f		108 mm	2515 kPa (365 psi)
321HS a, b, c, e, f		165 mm	1550 kPa (225 psi)
321E a, b, c, d		60, 89, 114, 165, 219 mm	2065 kPa (300 psi)

Notes

- a. Minimum schedule cut groove pipe to be joined: 6 in. NPS and smaller - Schedule 40; 8 in. NPS and larger - Schedule 30.
- b. Minimum schedule rolled groove pipe to be joined: 6 in. NPS and smaller - Schedule 10S; 8 in. NPS and larger 0.188 in. (5 mm) wall.
- c. To be supplied with EPDM gasket.
- d. To be supplied with an ISO PN10 bolt pattern.
- e. Use with GB/T3092 regular and extra heavy pipe, ISO 4200, and BS 1387 Medium and Heavy pipe.
- f. To be supplied with an ISO PN25 bolt pattern.

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Extract	fm_w3_JinanMeide_321_v_2022-11-14.pdf	Pipes/Fittings/Couplings Aboveground Pipe and Fittings Grooved Split Flanges, Flexible Models 321, 321S, 321HS, 321E Product Specification (fm_w3_JinanMeide_321_v_2022-11-14.pdf)	14-Nov-2022	Approval Guide, FM Approvals, US
Extract	ul_w3_HHXX.EX6624.Fittings	HHXX-EX6624 – Fittings, Cast Iron, Ductile Iron, Malleable Iron and Bronze (ul_w3_HHXX.EX6624.Fittings_v_2021-04-22.pdf)	22-Apr-2021	Product iQ™, Underwriters Laboratories Inc., US;