



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 486	5-Dec-1991	Number 14	Issue date 26-Apr-2019	30-Apr-2020

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Product designation

Grinnell, grooved couplings

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

Agent/distributor

Tyco Fire Protection Products
Level 3, 95 Coventry Street, SOUTHBANK, VIC, AUSTRALIA, 3006

Registrant

Tyco Fire Protection Products
Level 3, 95 Coventry Street, SOUTHBANK, VIC, AUSTRALIA, 3006

Producer

Tyco Malaysia
886 Lot, C1 and C2 Jalan Suban, Taman Perindustrian Subang, PETALING JAYA, 47500 DARUL EHSAN, MALAYSIA

Conformance criteria and evaluation

The Grinnell, grooved couplings have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. 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. The ends of the pipe must be grooved, either cut or roll grooved. The grooved diameters must be dimensionally accurate to obtain the maximum benefit of the couplings.

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

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Grinnell, grooved couplings are universally utilized for joining pipe in a wide variety of piping systems. The couplings for grooved-end pipe are designed to provide a self-centreing joint which accommodates the application of pressure, vacuum and other external forces, while limiting the burdensome need for special supports and expansion joints.

Technical specification

The following details are a representative extract of the technical specification for the Grinnell, grooved couplings and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

- Housing:** Malleable Iron conforming to ASTM A-47 or Ductile Iron conforming to ASTM A-536
- Coatings:** Rust inhibiting paint - Colour: red (standard).
Hot dipped zinc galvanised (optional).
For other coating requirements contact Grinnell
- Gasket:** Elastomers with properties as designated by ASTM D-2000 for each gasket grade. Refer to Grinnell Gasket Selection Guide for details.
- Bolts/Nuts:** Heat treated, oval-neck track head bolts & heavy hex nuts of carbon steel conforming to ASTM A-183 with a minimum tensile strength of 110,000psi (758,450kPa). Bolts & nuts are provided zinc electroplated as standard.

Model	Type	Sizes (Nominal)
Figure 705	Coupling	25 mm, 32 mm, 40 mm, 50 mm, 80 mm, 100 mm, 150 mm, 200 mm, 250 mm, 300 mm
Figure 577	Coupling	25 mm, 32 mm, 40 mm, 50 mm, 80 mm, 150 mm, 200 mm
Figure 772	Coupling	25 mm, 32 mm, 40 mm, 50 mm, 80 mm, 150 mm, 200 mm, 250 mm, 300 mm
Figure 716	Reducing Coupling	50 mm x 40 mm, 80 mm x 50 mm, 100 mm x 50 mm, 100 mm x 80 mm, 150 mm x 100 mm, 200 mm x 150 mm
Figure 771	Flanges	50 mm, 80 mm, 100 mm, 150 mm, 200 mm, 250 mm, 300 mm