

## Certificate of Product Approval

Certificate Number: 169f

Issue: 02

### Tyco Building Services Products B.V.

Kopersteden 1  
7547 TJ Enschede  
The Netherlands



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

#### Products

##### 'Grinnell' G-Press Lightweight Galvanised Steel Sprinkler Pipework System

(Refer to attached appendix for details)

#### Standards

##### TS1599: Issue draft 5

Requirements and testing procedures for the LPCB approval and listing of press-fit pipe and couplings / fittings

This certificate and appendix is maintained and held in force through regular surveillance activities

Signed for BRE Global Ltd.

Sarah Colwell  
Verifier

4 November 2020  
Date of Issue

9 May 2012  
Date of First Issue



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## Appendix to Certificate No: 169f Tyco Building Services Products B.V.

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### 'Grinnell' G-Press Lightweight Galvanised Steel Sprinkler Pipework System to TS1599: Issue draft 5

Product	Description	Size (mm)	LPCB Ref. No.
PIPE CS	Galvanised tube	22, 28, 35, 42, 54	169f/01
G05	Straight Coupling (2 x press)	22, 28, 35, 42, 54	169f/02
G10	Slip Coupling (2 x press)	22, 28, 35, 42, 54	169f/03
G15	90° Elbow (2 x press)	22, 28, 35, 42, 54	169f/04
G16	90° Elbow (press x plain end)	22, 28, 35, 42, 54	169f/05
G20	45° Elbow (2 x press)	22, 28, 35, 42, 54	169f/06
G21	45° Elbow (press x plain end)	22, 28, 35, 42, 54	169f/07
G25	90° Bend (2 x plain end)	22, 28, 35, 42, 54	169f/08
G30	Cross over (2 x plain end)	22, 28	169f/09
G35	Tee equal (3 x press)	22, 28, 35, 42, 54	169f/10
G36	Tee reduced (3 x press)	22x28x22, 28x22x28, 35x22x35, 35x28x35, 42x22x42, 42x28x42, 42x35x42, 54x22x54, 54x28x54, 54x35x54, 54x42x54	169f/11

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Product	Description	Size (mm)	LPCB Ref. No.	
G37	Tee threaded (press x fem. thread x press)	22x1/2" x22, 22x3/4" x22, 28x1/2" x28, 28x3/4" x28, 28x1" x28, 35x1/2" x35, 35x3/4" x35, 35x1" x35, 42x1/2" x42, 42x3/4" x42, 42x1" x42, 54x1/2" x54, 54x3/4" x54, 54x1" x54		169f/12
G40	Reducer (plain end x press)	28x22, 35x22, 35x28, 42x28, 42x35, 54x35, 54x42,	169f/13	
G41	Reducer (2 x press)	28x22	169f/14	
G51	Straight connector (plain end x female thread)	22x1/2", 22x3/4"	169f/15	
G46	Straight connector (press x female thread)	22x1/2", 22x3/4", 28x1/2", 28x3/4", 28x1", 35x1/2", 35x3/4", 35x1", 35x1 1/4", 42x1 1/2", 54x2"	169f/16	
G45	Straight connector (press x male thread)	22x1/2", 22x3/4", 22x1", 28x3/4", 28x1", 35x1", 35x1 1/4", 42x1 1/2", 54x2"	169f/17	
G47	Straight union (press x male thread)	22x3/4", 28x1", 35x1 1/4", 42x1 1/2", 54x2"	169f/18	
G19	90° Angle adaptor (press x male thread)	22x3/4"	169f/19	
G17	90° Elbow (press x male thread)	22x3/4", 28x1", 35x1 1/4", 42x1 1/2", 54x2"	169f/20	
G18	90° Elbow (press x female thread)	22x1/2", 22x3/4", 28x1/2", 28x3/4", 28x1", 35x1/2", 35x3/4", 35x1"	169f/21	
G48	Transition connector (press x grooved)	28x33.7, 35x42.4, 42x48.3, 54x60.3	169f/22	
G50	Stop end (1 x press)	22, 28, 35, 42, 54	169f/23	

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Product	Description	Size (mm)	LPCB Ref. No.
G11	Slip coupling (press x female thread)	22x1/2", 22x3/4", 28x1/2", 28x3/4"	169f/24

### Notes:

1. The above GRINNELL G-Press pipework and fittings are to be installed using the Novopress ECO301, ACO201, ACO202, ECO201, ECO202, EFP2, EFP202 and Klauke UAP2 pressing tools in accordance with the GRINNELL G-Press User Manual. These tools shall be serviced and maintained in accordance with the manufacturer's stated guidelines.
2. GRINNELL G-Press pipework and fittings may only be installed by LPCB Approved Sprinkler Contractors who have undergone adequate training by the manufacturer.
3. GRINNELL G-Press pipework and fittings shall be installed in accordance with the GRINNELL User Manual: G-Press Manual TYCENPRESS-10/11.
4. GRINNELL G-Press pipework and fittings shall be installed and maintained in conformance with the LPC Rules for Automatic Sprinkler Installations.
5. The use of GRINNELL G-Press Sprinkler System pipework and fittings shall be recorded on LPS1048 certificates of conformity.
6. Where a GRINNELL Reducer is installed, a pipe hanger shall be used adjacent to the reducer on the larger pipe.
7. Where GRINNELL system pipework is connected to sprinklers in suspended ceilings, only LPCB Approved flexible drops shall be used.
8. GRINNELL G-Press pipework and fittings are not compatible with lightweight piping systems from other manufacturers.

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