



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-1

DESCRIPTION OF SAMPLE : Ø15mm (½") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 15mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with 3/16" x 5/8" screws and nuts. (Factory confirmed that M5x15mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

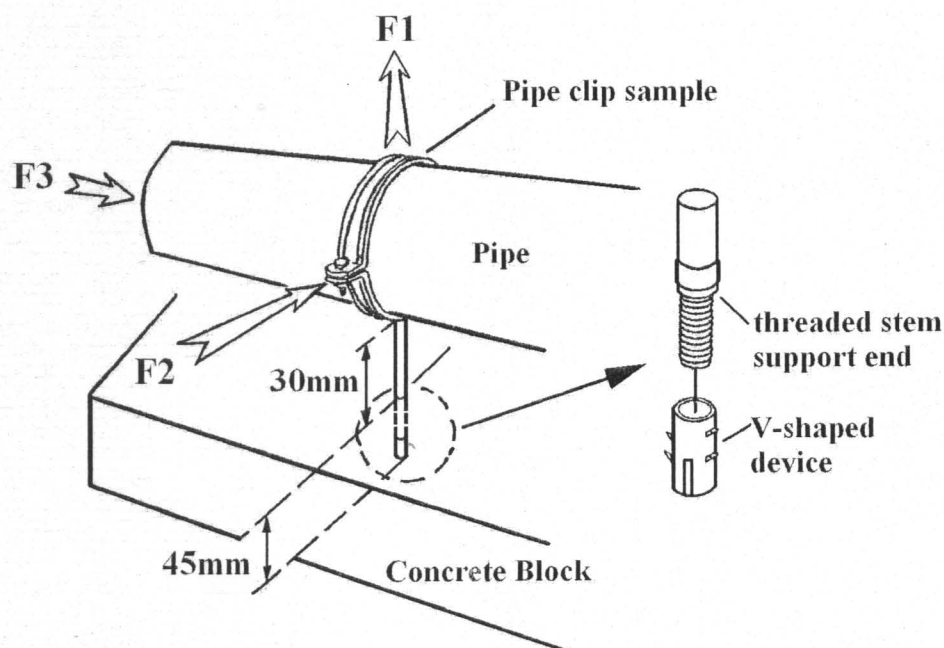
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.






## TEST REPORT

OUR REFERENCE NO. J13545-1 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 15mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm (kgf)
280	200	84

Date : 4<sup>th</sup> June 2009 Authorized signature : 

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

**Samson W.K. Yiu**  
( Director )



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-2

DESCRIPTION OF SAMPLE : Ø20mm (¾") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 15mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with 3/16" x 5/8" screws and nuts. (Factory confirmed that M5x15mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

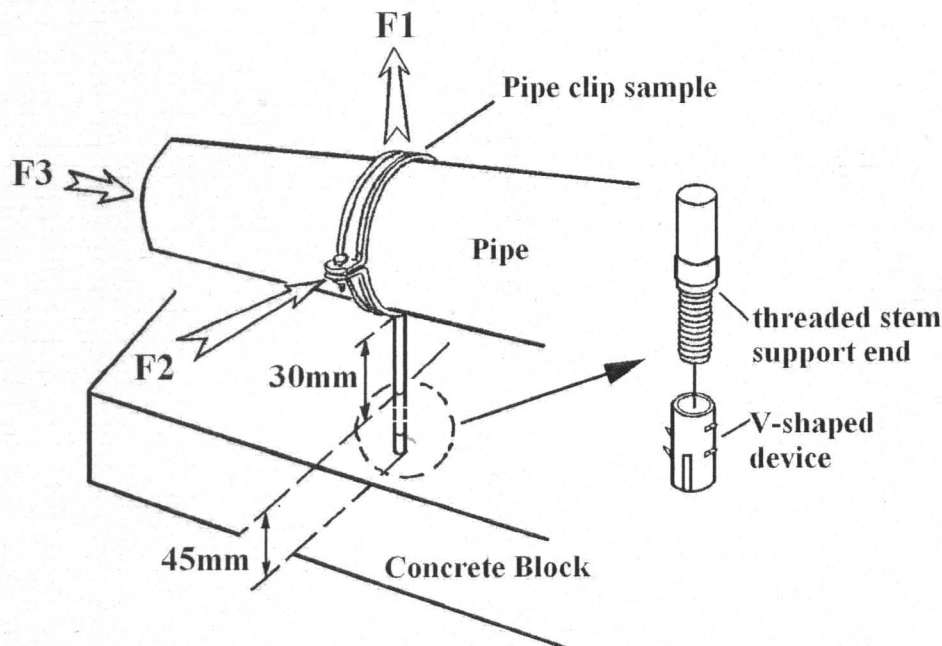
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.






## TEST REPORT

OUR REFERENCE NO. J13545-2 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 20mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block  (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection  (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm  (kgf)
280	178	109

Date : 4<sup>th</sup> June 2009 Authorized signature : 

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

**Samson W.K. Yiu**  
( Director )



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-3

DESCRIPTION OF SAMPLE : Ø25mm (1") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 15mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with 3/16" x 5/8" screws and nuts. (Factory confirmed that M5x15mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

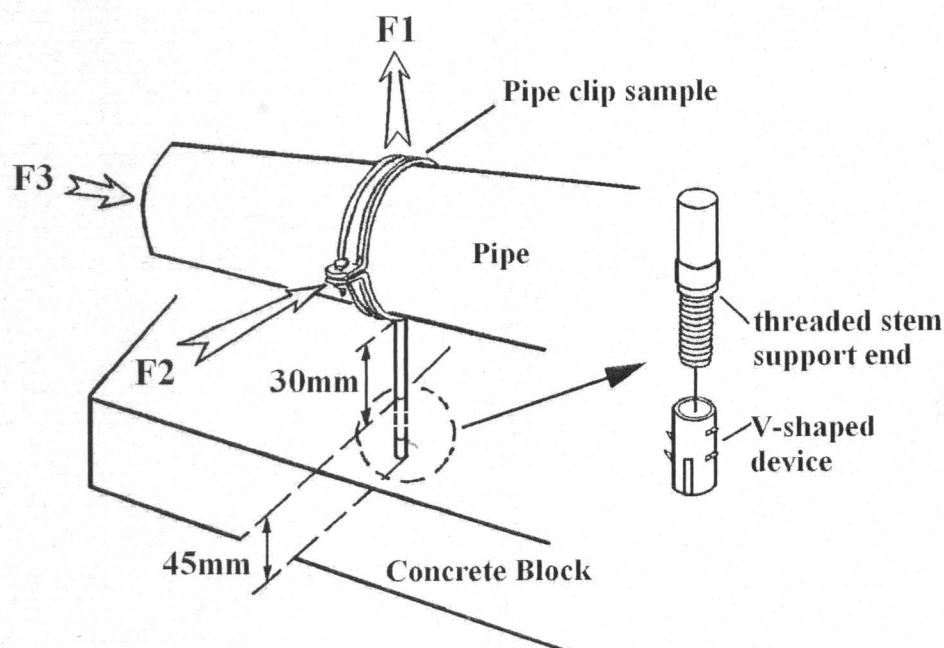
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.






## TEST REPORT

OUR REFERENCE NO. J13545-3 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 25mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block  (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection  (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm  (kgf)
280	170	181

Date : 4<sup>th</sup> June 2009 Authorized signature : 

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

**Samson W.K. Yiu**

( Director )



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-4

DESCRIPTION OF SAMPLE : Ø32mm (1¼") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 15mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with 3/16" x 5/8" screws and nuts. (Factory confirmed that M5x15mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

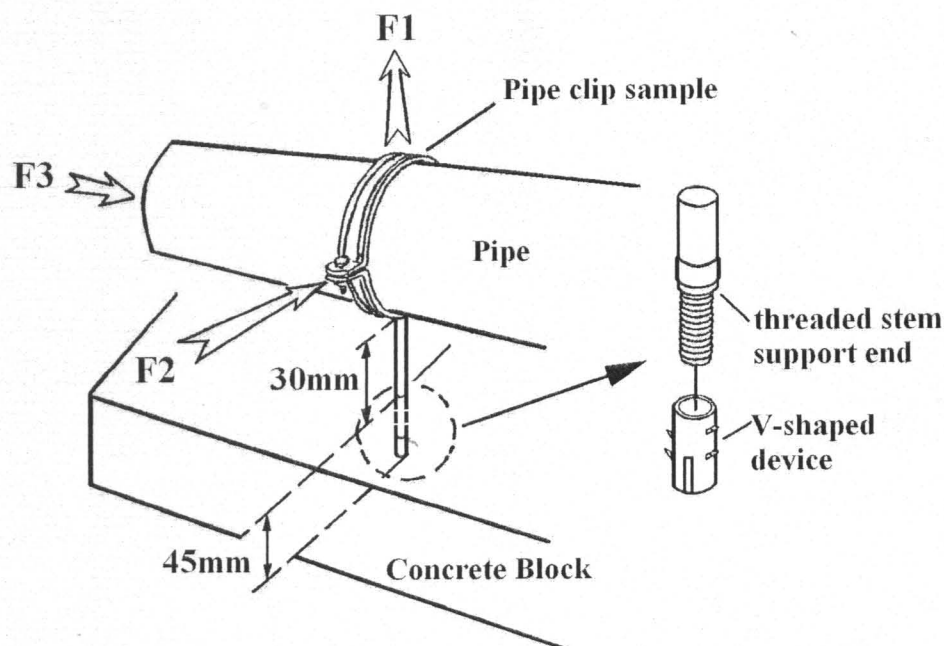
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.






## TEST REPORT

OUR REFERENCE NO. J13545-4 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 32mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block  (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection  (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm  (kgf)
280	168	180

Date : 4<sup>th</sup> June 2009 Authorized signature : 

Nutek Systems is a testing agency, approved by the Water Authority and Government Supplies Department, for testing water supply fittings.

**Samson W.K. Yiu**  
( Director )





## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-5

DESCRIPTION OF SAMPLE : Ø40mm (1½") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 15mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with 3/16" x 5/8" screws and nuts. (Factory confirmed that M5x15mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

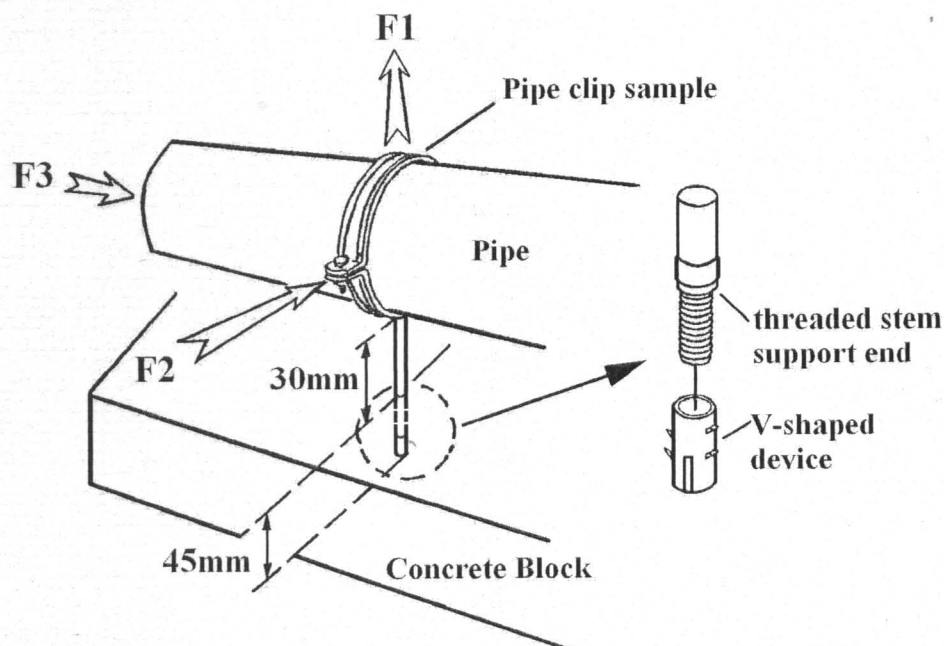
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.





## TEST REPORT

OUR REFERENCE NO. J13545-5 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 40mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block  (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection  (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm  (kgf)
280	158	178

Date : 4<sup>th</sup> June 2009 Authorized signature : \_\_\_\_\_

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

  
Samson W.K. Yiu

( Director )



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-6

DESCRIPTION OF SAMPLE : Ø50mm (2") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 18mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with ¼" x ¾" screws and nuts. (Factory confirmed that M6x20mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

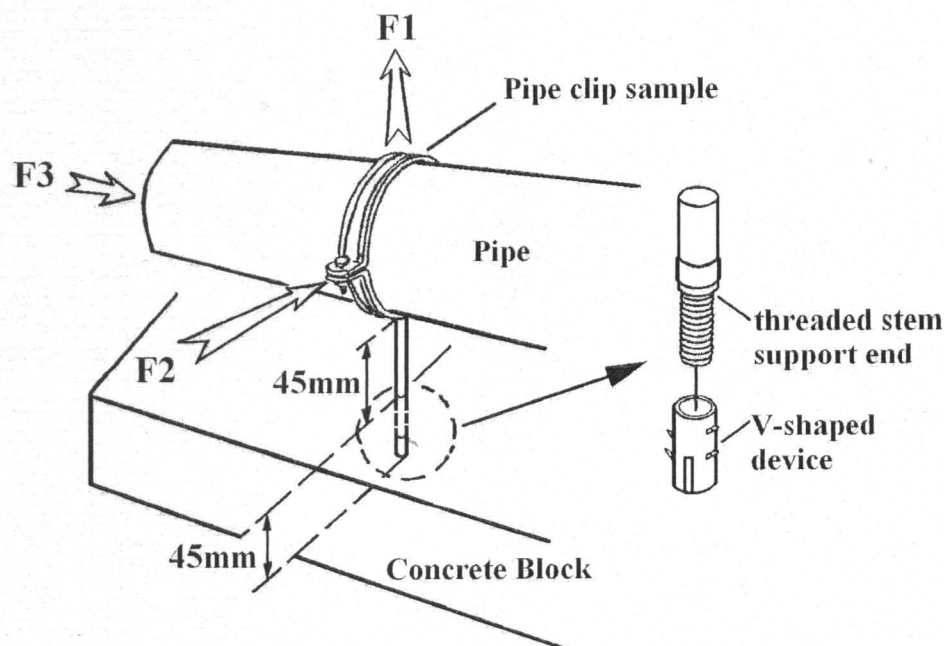
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.





## TEST REPORT


OUR REFERENCE NO. J13545-6 (P.2)

- The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 50mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
- The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
- Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
- Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
- Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm (kgf)
280	118	175

Date : 4<sup>th</sup> June 2009 Authorized signature : \_\_\_\_\_

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

  
**Samson W.K. Yiu**  
( Director )



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-7

DESCRIPTION OF SAMPLE : Ø65mm (2½") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 18mm width x 2.5mm thick ring; with Ø9mm support stem electrically welded onto the ring; with ¼" x ¾" screws and nuts. (Factory confirmed that M6x20mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

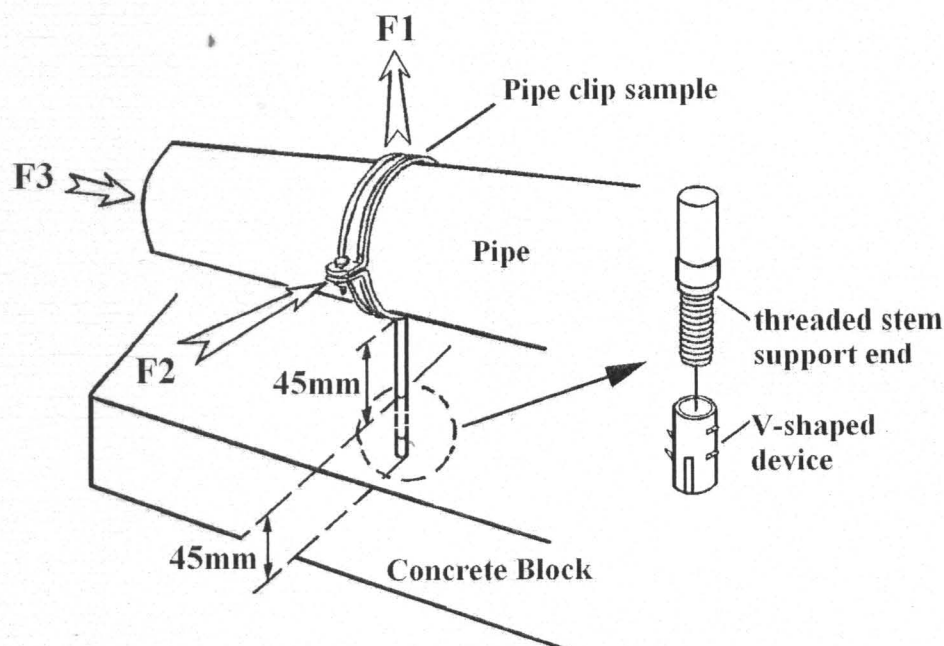
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.





# NUTEK SYSTEMS, LTD.


Unit B, 13/F., Universal Ind. Ctr.,  
23-25 Shan Mei Street,  
Fo Tan, Shatin, N.T., Hong Kong.  
Tel: (852) 2605 5736 Fax: (852) 2692 0798  
E-mail: nutek@nuteksystems.com

## TEST REPORT

OUR REFERENCE NO. J13545-7 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 65mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm (kgf)
280	117	170

Date : 4<sup>th</sup> June 2009 Authorized signature : 

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

**Samson W.K. Yiu**  
( Director )



## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-8

DESCRIPTION OF SAMPLE : Ø80mm (3") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 19mm width x 2.5mm thick ring; with Ø12mm support stem electrically welded onto the ring; with ¼" x ¾" screws and nuts. (Factory confirmed that M6x20mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

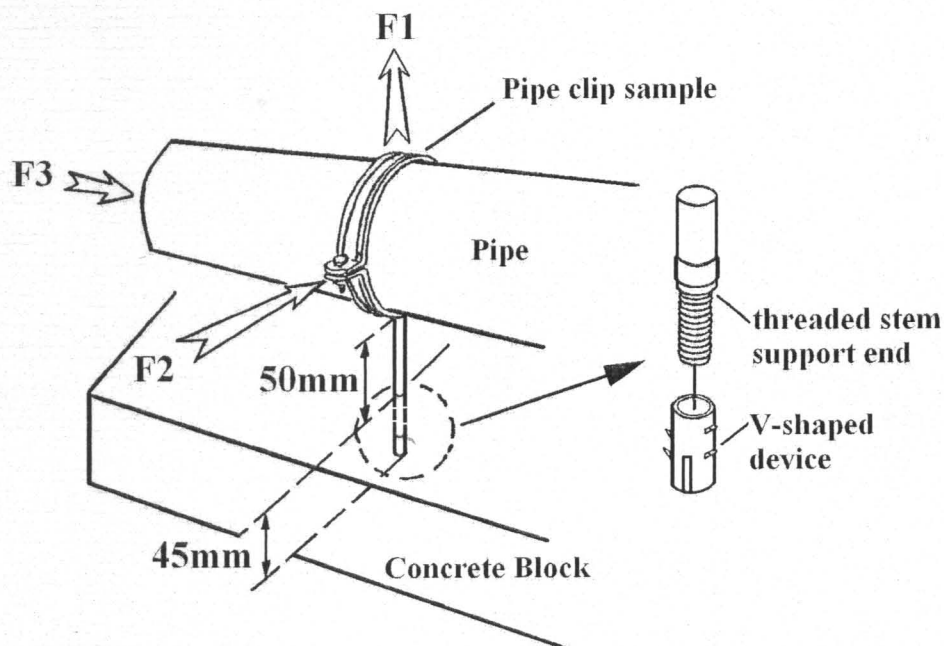
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.





## TEST REPORT


OUR REFERENCE NO. J13545-8 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 80mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block  (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection  (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm  (kgf)
380	115	168

Date : 4<sup>th</sup> June 2009 Authorized signature : \_\_\_\_\_

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

  
**Samson W.K. Yiu**  
( Director )





## TEST REPORT


TITLE : Testing of New Patented Applied V-Shaped Tail Pipe Clip

OUR REFERENCE NO. : J13545-9

DESCRIPTION OF SAMPLE : Ø100mm (4") Stainless steel pipe clip supplied with plastic V-shaped tail device; for BS3506/BS3506 uPVC/plastic pressure pipe; dimensions: 19mm width x 3mm thick ring; with Ø12mm support stem electrically welded onto the ring; with ¼" x ¾" screws and nuts. (Factory confirmed that M6x20mm screws and nuts are also available) Patent No.: ZL2007 2 0183080.4

SAMPLE SUBMITTED BY : Cheung's Engineering Co.  
G/F., 90 Tak Cheong Street,  
Kowloon, Hong Kong.  
( web-site : <http://www.pipe-clips.com> )

MANUFACTURER : Cheung's Engineering Co.

BRAND / LOGO : 

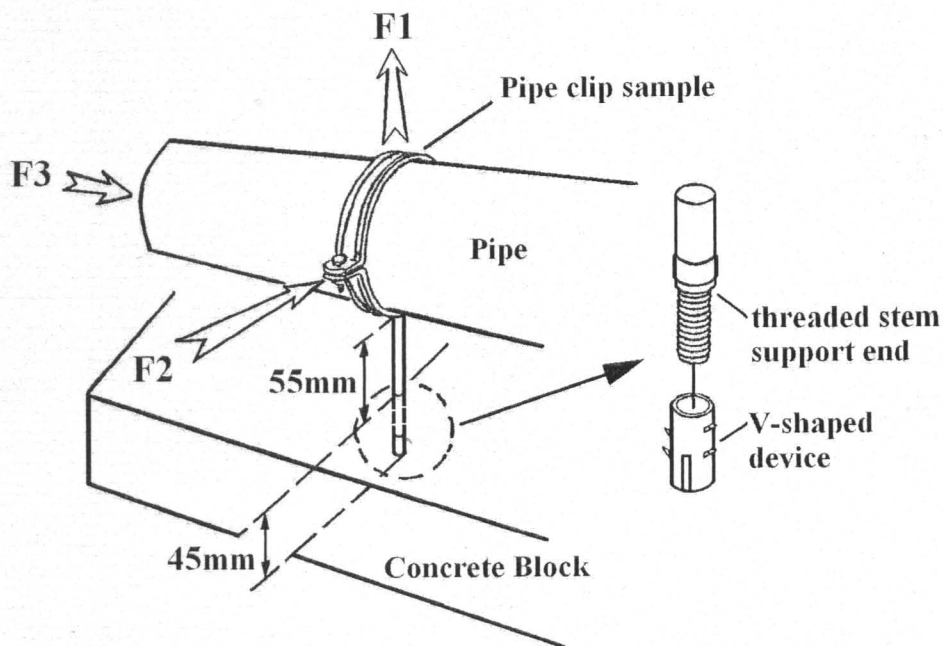
COUNTRY OF ORIGIN : China

TEST REQUIRED : Loading test

PERIOD OF TESTS : 14<sup>th</sup> April to 14<sup>th</sup> May 2009

### RESULTS: - LOADING TEST

1. A concrete block made of concrete mix grade 30D10 (cement to BS12: 1978 and Aggregate to BS882: 1973) was prepared and used for the loading test.
2. The plastic V-shaped tail device was connected to the end of a new pipe clip's support stem.





# NUTEK SYSTEMS, LTD.


Unit B, 13/F., Universal Ind. Ctr.,  
23-25 Shan Mei Street,  
Fo Tan, Shatin, N.T., Hong Kong.  
Tel: (852) 2605 5736 Fax: (852) 2692 0798  
E-mail: nutek@nuteksystems.com

## TEST REPORT

OUR REFERENCE NO. J13545-9 (P.2)

3. The concrete block was secured to the loading test frame. A hole was drilled on the concrete block; the pipe clip's support stem was hammered into the hole. The pipe clip was further screwed into the hole until it was hand-tight; the length of the concealed part of the support stem was now about 40mm to 50mm. A 100mm uPVC pressure pipe of BS3505 was then clamped by the pipe clip.
4. The vertical pulling force **F1** applied to detach the pipe clip from the concrete block was measured.
5. Steps 1 to 3 were repeated. A horizontal force **F2** applied to the pipe clip (perpendicular to the pipe axis) to result in a 20mm horizontal deflection was measured.
6. Steps 1 to 3 were repeated. A horizontal force **F3** acting on the pipe along its longitudinal axis to slip the pipe from the pipe clip by 20mm was measured.
7. Result :

Vertical force <b>F1</b> to detach the pipe clip from the concrete block  (kgf)	Horizontal force <b>F2</b> to result in a 20mm horizontal deflection  (kgf)	Horizontal force <b>F3</b> to slip the pipe by 20mm  (kgf)
380	112	160

Date : 4<sup>th</sup> June 2009 Authorized signature : 

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

**Samson W.K. Yiu**

( Director )

