

**Test Certificate**  
**Dimensions and Mass of Grey Iron Pipes and Fittings**  
**(BS4622 : 1970 Clauses 10 and 11)**

Date of issue: 29-03-2005

Page 1A of 1 page(s)

Castco LRN: DP241215-1537 DIM

**Details as supplied by client**

Client: Asia Development (1950) Limited

Client's ref. no.: --

Contract no.: --

Job title: --

Description of sample :

Nominal bore: 75 mm Length: 1000 mm Type: Grey Iron / Cast Iron pipe with lead caulk joint

Brand name: (Diamond) CHF Manufacturer : Liuzhou Lizhi Casting Co., Ltd.

Delivery date: -- Sample Submitted by: Cheung Hing Foundry Ltd (CHF)

**Laboratory Test Result**

Date sample received: 15-12-2004

Date of test: 21-12-2004

Specimen no.: DP241215-1537

Nominal size DN: 75	Mean value	BS Requirement
External diameter of barrel of pipe (mm)	94.8	--
Wall thickness of barrel of pipe (mm)	8.7	--
Depth of socket (mm)	75.0	--
Internal diameter of socket (mm)	112.7	--
Length (mm)	--	--
Mass (kg)	--	--

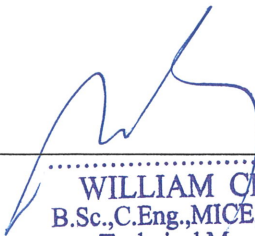
- Remarks : 1. Test results relates only to the specimen tested.  
2. This report supersedes previous test report of Castco LRN: DP241215-1537 DIM.

**W. K. Leung**

Checked by : \_\_\_\_\_

Certified by : \_\_\_\_\_

Form No. PIPE DIM4622\_T 04/06/2004

  
**WILLIAM CHAU**  
B.Sc., C.Eng., MICE, MHKIE  
Technical Manager

**Test Certificate****Dimensions and Mass of Grey Iron Pipes and Fittings  
(BS4622 : 1970 Clauses 10 and 11)**

Date of issue: 19-01-2005

Page 1 of 1 page(s)

Castco LRN: DP241215-1538 DIM

**Details as supplied by client**

Client: Asia Development (1950) Limited

Client's ref. no.: --

Contract no.: --

Job title: --

Description of sample :

Nominal bore: 100 mm Length: 1000 mm Type: Grey Iron / Cast Iron pipe with lead caulk joint

Brand name:  (Diamond) CHF Manufacturer : Liuzhou Lizhi Casting Co., Ltd.

Delivery date: --

Sample Submitted by: Cheung Hing Foundry Ltd (CHF)

**Laboratory Test Result**

Date sample received: 15-12-2004

Date of test: 21-12-2004

Specimen no.: DP241215-1538

Nominal size DN: 100	Mean value	BS Requirement
External diameter of barrel of pipe (mm)	118.8	118 (+1.5, -3.5)
Wall thickness of barrel of pipe (mm)	10.4	7.5 (-1.375)
Depth of socket (mm)	86.0	88 (±5)
Internal diameter of socket (mm)	136.7	137 (±3.1)
Length (mm)	--	--
Mass (kg)	--	--

Remarks : 1. Test results relates only to the specimen tested.

Checked by : **W. K. Leung**Certified by : **W.K. LEE**  
B.Sc., C. Eng., MICE, MHKIE  
Registered Professional Engineer

Form No. PIPE DIM4622\_T dd 06/12/2004

Test Certificate  
Hydrostatic Test of Grey Iron Pipes and Fittings  
(BS4622 : 1970 Clause 15.1)

Date of issue : 17-01-2005

Page 1 of 1 page

Castco LRN: DP241215-1539 HYD

Details as supplied by client

Sampled Submitted by: Cheung Hing Foundry Ltd. (CHF)

Client : Asia Development (1950) Limited

Client's ref. no.: --

Contract no.: --

Job title : --

Description of pipe :

Nominal bore: 150mm

Length: 1m

Type: Grey Iron / Cast Iron Pipe with lead caulk joint

Brand name:



(Diamond) CHF

Class: --

Delivery date: --

Manufacturer: Liuzhou Lizhi Casting Co., Ltd.

Laboratory Test Result

Date received: 15-12-2004

Date of test: 17-12-2004

Specimen no.	DP241215-1539
Actual internal hydrostatic pressure apply (bar)	35
Sustain period (sec)	15
Test result	Passed

Remarks : 1. Test results relate only to the specimen tested.

Checked by: 

W. K. Leung

Certified by: 

W.K. LEE

B.Sc., C. Eng., MICE, MHKIE  
Registered Professional Engineer

Form No. PIPE HYD4622\_T dd 31/10/2002



**Test Certificate****Dimensions and Mass of Grey Iron Pipes and Fittings  
(BS4622 : 1970 Clauses 10 and 11)**

Date of issue: 29-03-2006

Page 1 of 1 page(s)

Castco LRN: DP260320-0134 DIM

**Details as supplied by client**

Sample Submitted by : Cheung Hing Foundry Limited (CHF)

Client: Asia Development (HK) Ltd.

Client's ref. no.: --

Contract no.: --

Job title: --

Description of sample :

Nominal bore: 200 mm

Length: 4000 mm

Type: Grey Iron/Csat Iron Pipe with Lead-caulk Joint

Brand name:



Manufacturer : Liuzhou Lizhi Casting Co., Ltd.

Delivery date: --

**Laboratory Test Result**

Date sample received: 20-03-2006

Date of test: 25-03-2006

Specimen no.: DP260320-0134

Nominal size DN: 200		Mean value	BS Requirement
External diameter of barrel of pipe	(mm)	222.8	222 (+1.5,-3.5)
Wall thickness of barrel of pipe	(mm)	10.53	9.26 (-1.460)
Depth of socket	(mm)	102.5	100 (±5)
Internal diameter of socket	(mm)	243.3	241 (±3.2)
Length	(mm)	--	--
Mass	(kg)	--	--

Remarks : 1. Test results relates only to the specimen tested.

Checked by : W. K. LeungCertified by : K. YEO

Form No. PIPE DIM4622\_T dd 06/12/2004

**K. YEO**  
Technical Manager

**Test Certificate****Dimensions and Mass of Grey Iron Pipes and Fittings  
(BS4622 : 1970 Clauses 10 and 11)**

Date of issue: 04-02-2005

Page 1 of 1 page(s)

Castco LRN: DP250119-0015 DIM

**Details as supplied by client**

Client: Asia Development (1950) Limited

Client's ref. no.: --

Contract no.: --

Job title: --

Description of sample :

Nominal bore: 225 mm Length: 1000 mm Type: Grey Iron / Cast Iron pipe - Spigot and Socket Type

Brand name:  (Diamond) CHF Manufacturer : Liuzhou Lizhi Casting Co., Ltd.

Delivery date: -- Sample Submitted by: Cheung Hing Foundry Ltd (CHF)

**Laboratory Test Result**

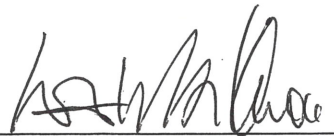
Date sample received: 19-01-2005

Date of test: 28-01-2005

Specimen no.: DP250119-0015

Nominal size DN: 225	Mean value	BS Requirement
External diameter of barrel of pipe (mm)	249.8	--
Wall thickness of barrel of pipe (mm)	10.4	--
Depth of socket (mm)	106.5	--
Internal diameter of socket (mm)	259.0	--
Length (mm)	--	--
Mass (kg)	--	--

Remarks : 1. Test results relates only to the specimen tested.

Checked by :  **W.K. Leung**Certified by : 

Form No. PIPE DIM4622\_T dd 06/12/2004

**W.K. LEE**  
B.Sc., C. Eng., MICE, MHKIE  
Registered Professional Engineer

## Test Certificate

Dimensions and Mass of Grey Iron Pipes and Fittings  
(BS4622 : 1970 Clauses 10 and 11)

Date of issue: 29-03-2006

Page 1 of 1 page(s)

Castco LRN: DP260320-0136 DIM

Details as supplied by client

Sample Submitted by : Cheung Hing Foundry Limited (CHF)

Client: Asia Development (HK) Ltd.

Client's ref. no.: --

Contract no.: --

Job title: --

Description of sample :

Nominal bore: 250 mm

Length: 4000 mm

Type: Grey Iron/Csat Iron Pipe with Lead-caulk Joint

Brand name:



Manufacturer : Liuzhou Lizhi Casting Co., Ltd.

Delivery date: --

Laboratory Test Result

Date sample received: 20-03-2006

Date of test: 25-03-2006

Specimen no.: DP260320-0136

Nominal size DN: 250	Mean value	BS Requirement
External diameter of barrel of pipe (mm)	273.9	274 (+1.5,-3.5)
Wall thickness of barrel of pipe (mm)	11.31	10.0 (-1.500)
Depth of socket (mm)	106.8	103 (±5)
Internal diameter of socket (mm)	295.5	294 (±3.2)
Length (mm)	--	--
Mass (kg)	--	--

Remarks : 1. Test results relates only to the specimen tested.

Checked by :

W. K. Leung

Certified by :

K. YEO  
Technical Manager

Form No. PIPE DIM4622\_T dd 06/12/2004



**Test Certificate****Dimensions and Mass of Grey Iron Pipes and Fittings  
(BS4622 : 1970 Clauses 10 and 11)**

Date of issue: 04-02-2005

Page 1 of 1 page(s)

Castco LRN: DP250119-0016 DIM

**Details as supplied by client**

Client: Asia Development (1950) Limited

Client's ref. no.: --

Contract no.: --

Job title: --

Description of sample :

Nominal bore: 300 mm Length: 1000 mm Type: Grey Iron / Cast Iron pipe - Spigot and Socket Type

Brand name:  (Diamond) CHF Manufacturer : Liuzhou Lizhi Casting Co., Ltd.

Delivery date: -- Sample Submitted by: Cheung Hing Foundry Ltd (CHF)

**Laboratory Test Result**

Date sample received: 19-01-2005

Date of test: 28-01-2005

Specimen no.: DP250119-0016

Nominal size DN: 300	Mean value	BS Requirement
External diameter of barrel of pipe (mm)	325.4	326mm (+1.5, -4.0)
Wall thickness of barrel of pipe (mm)	15.3	10.8mm (-1.54)
Depth of socket (mm)	108.0	105 (+5)
Internal diameter of socket (mm)	344.1	346 (+3.3)
Length (mm)	--	--
Mass (kg)	--	--

Remarks : 1. Test results relates only to the specimen tested.

Checked by : **W.K. Leung**Certified by : **W.K. LEE****B.Sc., C. Eng., MICE, MHKIE****Registered Professional Engineer**

Form No. PIPE DIM4622\_T dd 06/12/2004