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# PVC-U 塑膠管・接頭 Pipes and Fittings

本型錄僅供送審使用  
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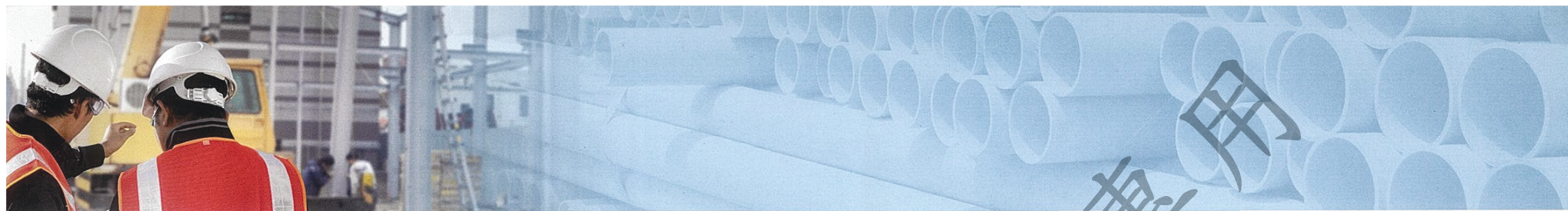
各類管材施工方式請詳閱產品型錄



總代理

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|                                                                                                                                                              |    |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| 8. HI耐衝擊PVC-U管接頭規格<br>Specification for HI high impact PVC-U fittings drainage                                                                               | 20 | ・ 45° L型接頭<br>・ 90° L型接頭<br>・ T型同徑接頭<br>・ T型異徑接頭<br>・ S型同徑接頭<br>・ S型異徑接頭<br>・ 塞頭<br>・ 法蘭接頭<br>・ 由令<br>・ 止閥接頭(塑膠牙)<br>・ 龍L入銅接頭<br>・ 龍L接頭(塑膠牙)<br>・ 龍T入銅接頭<br>・ 龍T接頭(塑膠牙)<br>・ 龍S入銅接頭<br>・ 龍S接頭(塑膠牙)<br>・ 伸縮接頭<br>・ 順T接頭<br>・ 同徑Y型接頭<br>・ 異徑Y型接頭<br>・ 清除孔接頭<br>・ P型存水接頭                                                                                                          | ・ 45° Elbow<br>・ 90° Elbow<br>・ Tee<br>・ Reducer Tee<br>・ Coupling<br>・ Reducer Coupling<br>・ Cap<br>・ Flange<br>・ Union<br>・ Male Adapter (Plastic Thread)<br>・ Faucet Fitting (Insert Bronze Nut) -90° Elbow<br>・ Faucet Fitting (Plastic Thread) -90° Elbow<br>・ Faucet Fitting (Insert Bronze Nut) -Fixture Tee<br>・ Faucet Fitting (Plastic Thread) -Fixture Tee<br>・ Faucet Fitting (Insert Bronze Nut)-Female Adapter<br>・ Faucet Fitting (Plastic Thread) -Female Adapter<br>・ Compression Fitting<br>・ Sanitary Tee<br>・ Wye<br>・ Reducer Wye<br>・ Cleanout Bushing<br>・ "P" Trap with Solvent Weldjoint And Cleanout Plug                                                                             |
| 9. 下水道及排水用接頭規格<br>Specification of PVC-U Fittings for Sewerage & Drainage                                                                                    | 26 | ・ 45° L型接頭<br>・ 90° L型接頭<br>・ 45° L型單放口接頭<br>・ 90° L型單放口接頭<br>・ T型接頭<br>・ 同徑普通接頭<br>・ 異徑普通接頭<br>・ 塞頭<br>・ 樓板接頭<br>・ 順T接頭<br>・ 45° Y型接頭<br>・ 清除孔接頭<br>・ P型存水接頭<br>・ V型存水接頭<br>・ 污水防臭接頭<br>・ 衛生下水道用PVC-U<br>匯流井規格                                                                                                                                                                | ・ 45° Elbow<br>・ 90° Elbow<br>・ 45° Elbow With Spigot End<br>・ 90° Elbow with Spigot End<br>・ Tee<br>・ Coupling<br>・ Reducer coupling<br>・ Cap<br>・ Slab Joint<br>・ Sanitary Tee<br>・ 45° Wye<br>・ Cleanout Bushing<br>・ "P" Trap with Solvent Welding Joint and Cleanout Plug<br>・ "V" Type Water Connection<br>・ Junction with odor trap<br>・ Specification of PVC-U Inspection Chambers for<br>Sewerage & Drainage                                                                                                                                                                                                                                                                                           |
| 10. 膠合劑<br>Vinyl Adhesive<br>南亞硬質膠合劑<br>Nan Ya Vinyl Adhesive<br>南亞耐衝擊PVC-U膠合劑<br>Nan Ya High Impact Vinyl<br>Adhesive                                       | 30 |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 11. 品質認證證書<br>Certification<br>ISO 9001, 14001<br>品質認證合格證書<br>ISO 9001, 14001<br>Quality Certification<br>各項CNS產品通過<br>正字標記認證證書<br>CNS Marks of all Products | 31 |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



# 1 PVC-U管・接頭特性與用途

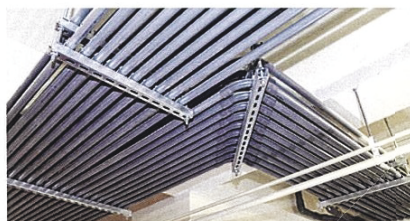
## Characteristics and applications of PVC-U Pipe and Fitting

1. 質輕，搬運裝卸便利：  
PVC-U管材質輕，搬運、裝卸，施工便利，可節省人工。
2. 耐化學藥品性優良：  
PVC-U具有優異的耐酸、耐鹼、耐腐蝕性，對於化學工業之用途甚為適合。
3. 流體阻力小：  
PVC-U之壁面光滑，對流體之阻力小，其粗糙係數僅0.009較其他管材為低，在相同之流量下，管徑可予以縮小。
4. 機械強度大：  
PVC-U之耐水壓強度，耐外壓強度，耐衝擊強度等均甚良好，適用於各種條件之配管工程。
5. 電氣絕緣性佳：  
PVC-U富有優越的電氣絕緣性，適用於電線、電纜之導管，與建築上之電線配管。
6. 不影響水質：  
PVC-U管由溶解試驗證實不影響水質，為目前自來水配管之最佳管材。
7. 施工簡易：  
PVC-U管之接合施工迅速容易，故施工工程費用低廉。

1. Light Weight, easy to load and unload :  
PVC-U pipe is very light, convenient to handle loading unloading, and installing. May save much labor.
2. Good chemicals and drugs resistance :  
PVC-U pipe has its excellent resistance to the erosion caused by acids and alkalines, a great help to the chemical industries.
3. Small resistance to fluidity :  
The smooth surface of PVC-U pipe reduces resistance to the fluids. Its roughness coefficient is only 0.009, much less than other pipes. Under same discharge, smaller calibre of the pipe can be used.
4. Strong mechanical strength :  
Good resistance to water pressure, outside impact and pressure, is satisfied under any conditions.
5. Good electrical insulation :  
PVC-U pipe has excellent insulation nature against electricity. It can be served as conduits and pipes in construction cable and wire.
6. Water quality unaffected :  
The solution tests on the PVC-U pipe show no affect on water quality when the water flows through it. It is considered the best piping material for running water works.
7. Simple installation :  
Very easy to connect, thus much time and labor cost may be saved.

## PVC-U管・接頭適用場所 Applications of PVC-U Pipe and Fitting

1. 自來水工程 Drinking water engineering
2. 電氣工程 Electrical engineering
3. 建築工程 Architectural engineering
4. 下水道工程 Sewer engineering
5. 電信工程 Telecommunications engineering
6. 鑿井工程 Well drilling engineering
7. 鹽水工程 Salt water engineering
8. 天然氣工程 Natural Gas engineering
9. 化學工程 Chemical engineering
10. 製紙工程 Paper mill
11. 釀造醱酵工程 Acidifying & Fermenting plant
12. 電鍍工程 Electroplating factory
13. 農業園地 Agricultural Ground
14. 礦場 Mining Plant
15. 養殖業 Aquaculture
16. 高速公路工程 Freeway engineering
17. 高爾夫球場工程 Golf course engineering
18. 漁業用塑膠筏 Plastic fish raft



建築工程 Architectural engineering



電導管工程 Electrical engineering



養殖輸水工程 Water Supply engineering



鑿井工程 Well drilling engineering



下水道工程 Sewer Engineering



漁業用塑膠筏工程 Plastic fish raft



化學工程 Chemical engineering



農田灌溉工程 Irrigation engineering



冷凍空調工程 Air Conditioning project



## 2

## PVC-U管・接頭之物理及化學性質

## Chemical and Physical Properties of PVC-U Pipe and Fitting

## (一) 物理性質 Physical Properties

## 1. 一般用PVC-U管 PVC-U Pipe for General Purpose

| 試驗項目 Test Items                                               | 試驗值 Test Value            | 試驗標準 Test standard |
|---------------------------------------------------------------|---------------------------|--------------------|
| 抗拉降伏強度試驗 Tensile Strength Test                                | 45MPa ↑ (23°C)            |                    |
| 直管耐水壓性<br>Water pressure resistance of PVC-U pipe             | 無漏水，破裂及變形現象<br>Non-broken |                    |
| 接合部耐水壓性 <sup>(a)</sup><br>Water pressure resistance of joints | 無洩漏現象 No Leakage          |                    |
| 耐壓扁性 Flattening Test                                          | 無破裂或龜裂現象<br>Non-broken    |                    |
| 比重 Specific Gravity                                           | 1.40~1.44                 |                    |
| 衛氏軟化溫度 Vicat softening Temperature                            | 76°C ↑                    | CNS 1298 K3004     |

蒸餾水 Distilled Water

10% 氯化鈉溶液  
10% Sodium Chloride Solution

|                         |                                             |                        |
|-------------------------|---------------------------------------------|------------------------|
| 浸漬性試驗<br>Immersion Test | 30% 硫酸溶液<br>30% Sulfuric Acid Solution      | ±0.2mg/cm <sup>2</sup> |
|                         | 40% 氫氧化鈉溶液<br>40% Sodium Hydroxide Solution |                        |
|                         | 40% 硝酸溶液<br>40% Nitric Acid Solution        |                        |
|                         |                                             |                        |

註：(a)接合部耐水壓性適用於活套頭承口(VP)及接著型承口(VP及VU)之管，此等管應以接合部耐水壓試驗替代該管耐水壓試驗。

Note: (a) The water pressure resistance of the joint is applicable to the tubes with loose bushes (VP) and adhesive sockets (VP and VU). This type of pipe should proceed the hydrostatic test of the joint.

## PVC-U管水壓試驗 (CNS 1298 K3004)

## Hydrostatic Test for PVC-U Pipe

| 種類 Categories                                                        | VP(B)管(厚管) Type VP(B)(Thick Wall) | VU(A)管(薄管) Type VU(A)(Thin Wall) |
|----------------------------------------------------------------------|-----------------------------------|----------------------------------|
| 標稱管徑(mm)<br>Nominal Pipe Size                                        | 13~600                            | 40~700                           |
| 試驗壓力(kgf/cm <sup>2</sup> )<br>Test Pressure                          | 25.5                              | 15.3                             |
| 20°C使用壓力(Kgf/cm <sup>2</sup> )<br>Allowable working pressure at 20°C | 7.65                              | 2.55                             |

## 活套接頭水壓試驗

## Hydrostatic Test for PVC-U Fitting

| 標稱管徑 Nominal Pipe Size       | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600  |
|------------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 用途別 Application              |    |    |    |    |     |     |     |     |     |     |     |     |     |     |      |
| 自來水用W管(kgf/cm <sup>2</sup> ) |    |    |    |    |     |     |     |     |     |     |     |     |     |     | 35.7 |
| 一般用(kgf/cm <sup>2</sup> )    |    |    |    |    |     |     |     |     |     |     |     |     |     |     | 25.5 |

CNS 1298 K3004

## 2. 自來水用PVC-U管 PVC-U Pipe for Water Supply

| 試驗項目 Test Item                                                | 試驗值 Test Value                        | 試驗標準 Test standard |
|---------------------------------------------------------------|---------------------------------------|--------------------|
| 抗拉降伏強度試驗 Tensile Strength Test                                | 45MPa ↑ (23°C)                        |                    |
| 直管耐水壓性<br>Water pressure resistance of PVC-U pipe             | 無破裂或龜裂現象<br>Non-broken                |                    |
| 接合部耐水壓性 <sup>(a)</sup><br>Water pressure resistance of joints | 無洩漏現象 No Leakage                      |                    |
| 耐壓扁性 Flattening Test                                          | 無破裂或龜裂現象<br>Non-broken                |                    |
| 比重 Specific Gravity                                           | 1.40~1.44                             |                    |
| 衛氏軟化溫度 Vicat Softening Temperature Test                       | 76°C ↑                                |                    |
| 不透明性 Opaque                                                   | 可見光透光率為0.2% ↓<br>Transmittance 0.2% ↓ |                    |
| 管材VCM含量 Material's VCM Content                                | 1.0ppm ↓                              | CNS 4053-1 K3033-1 |
| 濁度 <sup>(b)</sup> Turbidity                                   | 0.2NTU ↓                              |                    |
| 色度 Colourness                                                 | 0.5度/degree ↓                         |                    |
| 總有機碳(TOC)                                                     | 1.0ppm ↓                              |                    |
| 鉛及其化合物<br>Pb Extraction                                       | 0.005ppm ↓                            |                    |
| 溶出性<br>Extraction Test                                        | 錳及其化合物<br>Zn Extraction               | 0.5ppm ↓           |
| 餘氯減量<br>Loss of Residual Chlorine                             | 0.7ppm ↓                              |                    |
| 臭氣及異味<br>Odor and Taste                                       | 無不良氣味<br>Not Detectable               |                    |
| VCM溶出量<br>VCM Extraction                                      | 0.0015ppm ↓                           |                    |

註：(a)接合部耐水壓性適用於活套頭承口及接著型承口之管，此等管應以接合部耐水壓試驗替代該管耐水壓試驗。

(b)依濁度計法，單位為NTU。

Note: (a) The water pressure resistance of the joint is applicable to the tubes with loose bushes (VP) and adhesive sockets (VP and VU). This type of pipe should proceed the hydrostatic test of the joint.

(b) In Accordance with the turbidity method. (Unit: NTU)

## 自來水用PVC-U管水壓試驗 (CNS 4053-1 K3033-1)

## Hydrostatic Test for PVC-U Pipe for Water Supply

| 標稱管徑(mm)<br>Nominal Pipe Size                                         | 13 | 16 | 20 | 25 | 30 | 40 | 50 | 65 | 80 | 100 | 125 | 150    | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-----------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 試驗壓力 (kgf/cm <sup>2</sup> )<br>Test Pressure                          |    |    |    |    |    |    |    |    |    |     |     | 40.8   |     |     |     |     |     |     |     |     |
| 20°C使用壓力 (Kgf/cm <sup>2</sup> )<br>Allowable working pressure at 20°C |    |    |    |    |    |    |    |    |    |     |     | 7.65 ↓ |     |     |     |     |     |     |     |     |

註：接合部(包括活套管及接著型管) 35.7kgf/cm<sup>2</sup>

Note: Hydraulic internal pressure test of ring-seal joint : 35.7kgf/cm<sup>2</sup>



## 2 PVC-U管 · 接頭之物理及化學性質 Chemical and Physical Properties of PVC-U Pipe and Fitting

### 3. 耐衝擊PVC-U管 High-Impact PVC-U Pipe

| 試驗項目<br>Test Items                                         | 試驗值<br>Test Value                           | 試驗標準<br>Test Standard  |
|------------------------------------------------------------|---------------------------------------------|------------------------|
| 抗拉降伏強度試驗 Tensile Strength Test                             | 40 MPa ↑ (23°C)                             |                        |
| 直管耐水壓性 Water pressure resistance of PVC-U pipe             | 無漏水、破裂及變形現象 Non-broken                      |                        |
| 接合部耐水壓性 <sup>(a)</sup> Water pressure resistance of joints | 無洩漏現象 No Leakage                            |                        |
| 耐壓扁性 Flattening Test                                       | 無破裂或龜裂現象 Non-broken                         |                        |
| 耐衝擊性 Impact Test                                           | 沙玉(Charpy) 10kJ/m <sup>2</sup> ↑ (0°C)      |                        |
| 耐落錘衝擊性 Impact Test                                         | 無異常現象 Normal                                |                        |
| 耐候性 Weather Resistance                                     | 14kJ/m <sup>2</sup> ↑ (23°C)                |                        |
| 衛氏(Vicat)軟化溫度 Vicat Softening Temperature Test             | 76°C ↑                                      |                        |
| 管材VCM含量 Material's VCM Content                             | 1.0ppm ↓                                    |                        |
| 溶出性<br>Extraction Test                                     | 濁度 <sup>(b)</sup> Turbidity                 | 0.2 NTU ↓              |
|                                                            | 色度 Colourness                               | 0.5度/degree ↓          |
|                                                            | 總有機碳(TOC)                                   | 1.0ppm ↓               |
|                                                            | 鉛及其化合物 Pb                                   | 0.005ppm ↓             |
|                                                            | 鋅及其化合物 Zn                                   | 0.5ppm ↓               |
|                                                            | 餘氯減量 Loss of Residual Chlorine              | 0.7ppm ↓               |
| 浸漬性<br>Immersion Test                                      | 臭氣及異味 Odor and Taste                        | 無不良氣味 Not Detectable   |
|                                                            | 氯乙烯單體 VCM                                   | 0.0015ppm ↓            |
|                                                            | 蒸餾水 Distilled Water                         | ±0.2mg/cm <sup>2</sup> |
|                                                            | 10% 氯化鈉溶液<br>10% Sodium Chloride Solution   |                        |
|                                                            | 30% 硫酸溶液<br>30% Sulfuric Acid Solution      |                        |
|                                                            | 40% 氫氧化鈉溶液<br>40% Sodium Hydroxide Solution |                        |
|                                                            | 40% 硝酸溶液<br>40% Nitric Acid Solution        |                        |
| 比重(23°C) Specific Gravity                                  | 1.35~1.40                                   |                        |

註：(a)接合部耐水壓性適用於活套頭承口及接著型承口之管，此等管應以接合部耐水壓試驗替代該管耐水壓試驗。  
(b)依濁度計法，單位為NTU。  
Note: (a)The water pressure resistance of the joint is applicable to the tubes with loose bushes (VP) and adhesive sockets (VP and VU). This type of pipe should proceed the hydrostatic test of the joint.  
(b) In Accordance with the turbidity method. (Unit: NTU)

### 耐衝擊PVC-U管水壓試驗 Hydrostatic Test of High-Impact PVC-U Pipe

| 標稱管徑(mm)<br>Nominal Pipe Size              |                        | 13 | 16 | 20 | 25 | 30 | 40 | 50 | 65 | 80 | 100 | 125    | 150 | 200 | 250 | 300 | 350 | 400 |  |
|--------------------------------------------|------------------------|----|----|----|----|----|----|----|----|----|-----|--------|-----|-----|-----|-----|-----|-----|--|
| 試驗壓力(MPa)<br>Test Pressure                 | 自來水管<br>Drinking Water |    |    |    |    |    |    |    |    |    |     | 4.0    |     |     |     |     |     |     |  |
|                                            | 一般用管<br>General Use    |    |    |    |    |    |    |    |    |    |     | 2.5    |     |     |     |     |     |     |  |
| 20°C使用壓力 (MPa)<br>Working pressure at 20°C | 自來水管<br>Drinking Water |    |    |    |    |    |    |    |    |    |     | 0.75 ↓ |     |     |     |     |     |     |  |
|                                            | 一般用管<br>General Use    |    |    |    |    |    |    |    |    |    |     | 0.75 ↓ |     |     |     |     |     |     |  |

註：1. 接合部(包括活套管及接著型管)之試驗水壓為：自來水用3.5MPa 一般用2.5MPa  
2. 壓力換算：1MPa = 10.2 kgf/cm<sup>2</sup>  
Note: 1. After the hydrostatic test, water pressure of the joint (including loose pipe and adhesive pipe) is: 3.5MPa for tap water pipe and 2.5MPa for general pipe.  
2. Pressure conversion: 1MPa = 10.2 kgf/cm<sup>2</sup>

### 耐衝擊試驗之試驗高度與重錘質量 Falling Height and Weight Impact Test.

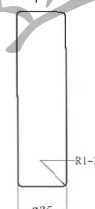
| 標稱管徑(mm)<br>Nominal Pipe Size | 13                      | 16  | 20  | 25  | 30  | 40     | 50  | 65 | 80  | 100 | 125         | 150 | 200 | 250 | 300 | 350 | 400 |
|-------------------------------|-------------------------|-----|-----|-----|-----|--------|-----|----|-----|-----|-------------|-----|-----|-----|-----|-----|-----|
| 落錘高度(cm)<br>Fall height       | 100                     | 125 | 150 | 200 | 100 | 150    | 200 | 75 | 100 | 150 | 175         | 200 | 225 | 275 | 325 | -   | -   |
| 重錘形狀<br>Shape                 | 圓柱狀平底形<br>Flat Cylinder |     |     |     |     |        |     |    |     |     | 圓錐狀<br>Cone |     |     |     |     |     |     |
| 重錘質量(Kg)<br>Falling weight    | 1±0.05                  |     |     |     |     | 3±0.05 |     |    |     |     | 9±0.05      |     |     |     |     |     |     |

註：標稱管徑350及400之重錘落下高度得依當事人間協議之。  
Note: The drop height of the weight (Nominal pipe size: 350 & 400) shall be agreed by mutual parties.

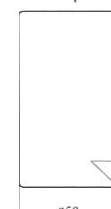
### 耐衝擊試驗的重錘形狀與質量

The form and weight of falling weight in impact test.

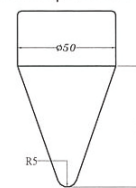
標稱管徑13~25用  
(圓柱狀重錘1kg)  
1kg Cylindrical Drop Hammer for  
Nominal Pipe Size 13~25



標稱管徑30~50用  
(圓柱狀重錘3kg)  
3kg Cylindrical Drop Hammer for  
Nominal Pipe Size 30~50



標稱管徑65~400用  
(圓錐狀重錘9kg)  
9kg Cylindrical Drop Hammer for  
Nominal Pipe Size 65~400



### 4. PVC-U電線導管 PVC-U Pipe for Electrical Conduit Use

| 試驗項目<br>Test Items            | 試驗值<br>Test Value                                                                                                                                                                                                                                                                                 | 試驗標準<br>Test standard |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 耐壓扁性<br>Flattening Test       | 載重1250 <sup>±50</sup> N時，外徑的減少率在25%以下，<br>除去載重後減少率應在10%以下，且試樣以目視檢查不得有裂紋或破裂現象<br>When the load is 1250 <sup>±50</sup> N, the reduction rate of the outside diameter is 25% or less, remove the load reduction rate should be below 10% and visual inspection of the sample should not have cracks. |                       |
| 耐衝擊性<br>Impact Test           | 12個試樣試驗後，9個以上之試樣無破壞，以目視檢查無裂紋或破裂現象，<br>而且不能有妨礙正常使用之變形<br>After test 12 specimens, more than 9 specimens shall be examined for visual inspection without cracks, and shall not be deformed to prevent normal use.                                                                                   |                       |
| 絕緣性<br>Insulation Test        | 試驗中不得有跳脫動作<br>There shall be no tripping action in the test.                                                                                                                                                                                                                                      | CNS<br>1302 K3006     |
| 絕緣電阻<br>Insulation Resistance | 100 MΩ以上<br>Above 100MΩ                                                                                                                                                                                                                                                                           |                       |
| 耐燃性<br>Flammability           | 3個試樣應全部符合。移開火源後，火燄須在30秒內自然熄滅<br>All 3 specimens shall meet requirements. Remove the fire source, the flame must be naturally extinguished within 30 seconds.                                                                                                                                      |                       |
| 耐熱性<br>Heat Resistance        | 塞規僅以本身質量通過管內<br>The plug is only passed through the pipe with its own mass.                                                                                                                                                                                                                       |                       |



## 2 PVC-U管·接頭之物理及化學性質 Chemical and Physical Properties of PVC-U Pipe and Fitting

### 5. 管筏用PVC-U管 PVC-U Pipe for Raft Use

| 試驗項目<br>Test Items             | 試驗值<br>Test Value                                                                                         | 試驗標準<br>Test standard |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------|
| 抗拉強度試驗 Tensile Strength Test   | 500kgf/cm <sup>2</sup> ↑                                                                                  | CNS<br>12698<br>K3094 |
| 壓扁試驗 Flattening Test           | 不破裂 Non-broken                                                                                            |                       |
| 比重 Specific Gravity            | 1.42±0.03                                                                                                 |                       |
| 灰分試驗 Ash Content Test          | 4% ↓                                                                                                      |                       |
| 落錘衝擊試驗 Drop Weight Impact Test | 不破裂 Non-broken                                                                                            |                       |
| 沙丕耐衝擊強度 Charpy Impact Strength | 5.0kgf-cm/cm <sup>2</sup> ↑                                                                               |                       |
| 耐藥品性 Chemical Resistance       | 10%氯化鈉溶液<br>10% Sodium Chloride Solution<br>40%氫氧化鈉溶液<br>40% Sodium Hydroxide Solution<br>柴油 Diesel fuels |                       |
| 耐候性 Weather Resistance         | 沙丕耐衝擊試驗變化率<br>Charpy Impact Change Ratio                                                                  |                       |
|                                | 80% ↑                                                                                                     |                       |
|                                |                                                                                                           |                       |

### 6. PVC-U接頭配件 (給水用) PVC-U Fitting (Water Supply)

| 性能項目<br>Test Items                          | 品質要求<br>Quality Requirement    | 試驗標準<br>Test standard                       |
|---------------------------------------------|--------------------------------|---------------------------------------------|
| 抗拉降伏強度 <sup>(a)</sup> Tensile Strength Test | 45MPa ↑ (23℃)                  | CNS 2334<br>K3011                           |
| 耐水壓性 Hydraulic internal pressure            | 無漏水，破裂及變形現象 Non-broken         |                                             |
| 耐壓扁性 <sup>(b)</sup> Flattening Test         | 無破裂或龜裂現象 Non-broken            |                                             |
| 衛氏(Vicat)軟化溫度 Vicat Softening temperature   | 72℃ ↑                          |                                             |
| 管材氯乙烯單體(VCM)含量 Material's VCM Content       | 1.0 mg/L以下 below 1.0 mg/L      |                                             |
| 鉛及其化合物 (Pb)                                 | 0.005mg/L (Pb) ↓               |                                             |
| 鋅及其化合物 (Zn)                                 | 0.5mg/L (Zn) ↓                 |                                             |
| 總有機碳 (TOC)                                  | 1.0 mg/L ↓                     |                                             |
| 臭氣及異味 Odor and Taste                        | 無不良氣味 Not Detectable           |                                             |
| 溶出性<br>Extraction Test                      | 濁度 <sup>(c)</sup> Turbidity    |                                             |
|                                             | 色度 Colourness                  | 0.5度/degree ↓                               |
|                                             | 餘氯減量 Oss of residual Chlorine  | 0.7 mg/L ↓                                  |
|                                             | 氯乙烯單體(VCM) VCM Extraction      | 0.0015 mg/L ↓                               |
|                                             | 非PVC組件之溶出性<br>Non-PVC products | 符合表2之規定<br>In compliance with rules Table 2 |
| 比重 Specific Gravity                         | 1.35~1.40                      |                                             |

註: (a)若無法採取抗拉降伏強度試驗之試片(承口長度小於100mm)時,則免予試驗。  
(b)僅適用於手工管件。  
(c)依濁度計法,單位為NTU。  
(d)壓力換算:1MPa=10.2 kgf/cm<sup>2</sup>

Note: (a) If the tensile strength test for sample (Socket length less than 100 mm) is not available, the test can be exempted.  
(b) Only applicable to manual pipe accessories.  
(c) According to turbidimetry, the unit is NTU.  
(d) Pressure conversion: 1MPa = 10.2 kgf / cm<sup>2</sup>

### 7. PVC-U耐衝擊接頭配件 High-Impact PVC-U Fitting

| 試驗項目<br>Test Items                                |                                            | 試驗值<br>Test Value                        | 試驗標準<br>Test standard |
|---------------------------------------------------|--------------------------------------------|------------------------------------------|-----------------------|
| 抗拉強度 Tensile Strength Test                        |                                            | 40MPa [408kgf/cm <sup>2</sup> ] ↑ (23°C) | CNS 15010<br>K3126    |
| 耐水壓<br>Hydraulic pressure                         |                                            | 4.0MPa, 40.8kgf/cm <sup>2</sup> x1min    |                       |
| 沙丕耐衝擊<br>Charpy Impact Test                       | 耐候前 Before Weathering                      | 10kJ/m <sup>2</sup> ↑ (0°C)              |                       |
|                                                   | 耐候後 After Weathering                       | 14kJ/m <sup>2</sup> ↑ (23°C)             |                       |
| 耐落錘衝擊 Drop Weight Impact Test                     |                                            | 無異常現象 Normal                             |                       |
| 衛氏(Vicat)軟化溫度<br>Vicat Softening temperature      |                                            | 72°C ↑                                   |                       |
| 接頭材料VCM含量 Material's VCM content                  |                                            | 1.0 mg/L ↓                               |                       |
| 溶出性<br>Extraction Test<br>(給水用)<br>(Water Supply) | 濁度 Turbidity                               | 0.2度/degree ↓                            |                       |
|                                                   | 色度 Colourness                              | 0.5度/degree ↓                            |                       |
|                                                   | 鉛 Pb                                       | 0.005mg/L ↓                              |                       |
|                                                   | 鋅 Zn                                       | 0.5 mg/L ↓                               |                       |
|                                                   | 餘氯減量 Loss of Residual Solution             | 0.7 mg/L ↓                               |                       |
|                                                   | 臭氣及異味 Odor and Taste                       | 無不良氣味 Not Detectable                     |                       |
| 氯乙烯單體(VCM) VCM                                    |                                            | 0.0015 mg/L ↓                            |                       |
| 蒸餾水 Distilled Water                               |                                            |                                          |                       |
| 浸漬性<br>Immersion Test<br>(一般用)<br>(General Use)   | 10%氯化鈉溶液<br>10% Sodium Chloride Solution   | ±0.20mg/cm <sup>2</sup>                  |                       |
|                                                   | 30%硫酸 30% Sulfuric Acid Solution           |                                          |                       |
|                                                   | 40%氫氧化鈉溶液<br>40% Sodium Hydroxide Solution |                                          |                       |
|                                                   | 40%硝酸 40% Nitric Acid Solution             |                                          |                       |
|                                                   |                                            |                                          |                       |

## 3 PVC-DWV發泡管的物性 Physical property of PVC-DWV Foam Core Pipes

### 1. PVC-DWV發泡管之物性 Physical property of PVC-DWV foam core pipe

| 試驗項目<br>Test Items     | 試驗值<br>Test Value                                                                                                                                    | 試驗標準<br>Test standard |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 壓扁試驗 Flattening Test   | 管受壓變形至原來內徑的40%時,不得有龜裂、脫層或破裂現象。<br>When pipes are flattened to 40% of original inner diameter, any cracking layer-peeling or breaking is not allowed. | CNS 14589             |
| 標稱管徑 Nominal pipe size | 40 50~80 100 125~150 200 250 300                                                                                                                     |                       |
| 剛性試驗 Stiffness test    | 剛性(MPa) {42.0} 2.06 {21.0} 1.37 {14.0} 0.83 {8.5} 0.69 {7.0} 0.41 {4.2} 0.34 {3.5}                                                                   |                       |
|                        | Stiffness (MPa) {kgf/cm <sup>2</sup> } 以上 以上 以上 以上 以上 以上 以上                                                                                          |                       |
|                        | above above above above above above above                                                                                                            |                       |
| 耐落錘衝擊 Impact test      | 須試驗合格<br>Qualification required                                                                                                                      |                       |
|                        |                                                                                                                                                      |                       |
|                        |                                                                                                                                                      |                       |
|                        |                                                                                                                                                      |                       |
|                        |                                                                                                                                                      |                       |
|                        |                                                                                                                                                      |                       |



# 4 PVC-U管規格 Specification of PVC-U Pipe

## (一) 一般用管 PVC-U Pipe for General Purpose (CNS 1298)

### \*VU (A 管) 一般薄管

#### TYPE VU (A Pipe) Thin Pipe

單位 Unit : mm

| 標稱管徑<br>Nominal Pipe Size | 外徑<br>Outside Diameter     |                                                                                  | 厚度<br>Wall Thickness |                  | 近似內徑<br>(參考)<br>Approx. Inside Diameter | 質量<br>(參考)<br>Approx. Weight (kg/m) | 20°C 使用壓力<br>Working Pressure at 20°C (kgf/cm <sup>2</sup> ) | 長度<br>Length (m) |
|---------------------------|----------------------------|----------------------------------------------------------------------------------|----------------------|------------------|-----------------------------------------|-------------------------------------|--------------------------------------------------------------|------------------|
|                           | 基準尺度<br>Reference Diameter | 平均外徑之<br>許可差 <sup>(a)</sup><br>Tolerance of mean outside diameter <sup>(a)</sup> | 最小<br>Minimum        | 許可差<br>Tolerance |                                         |                                     |                                                              |                  |
| 40 1 1/2"                 | 48                         | ± 0.2                                                                            | 1.8                  | + 0.4            | 44                                      | 0.413                               | 2.55                                                         | 4m               |
| 50 2"                     | 60                         |                                                                                  |                      |                  | 56                                      | 0.521                               |                                                              | 4m               |
| 65 2 1/2"                 | 76                         | ± 0.3                                                                            | 2.2                  |                  | 71                                      | 0.825                               |                                                              | 4m               |
| 80 3"                     | 89                         |                                                                                  | 2.7                  | + 0.6            | 83                                      | 1.159                               |                                                              | 4m               |
| 90 3 1/2"                 | 100                        |                                                                                  |                      |                  | 94                                      | 1.476                               |                                                              | 4m               |
| 100 4"                    | 114                        | ± 0.4                                                                            | 3.1                  |                  | 107                                     | 1.737                               |                                                              | 4m               |
| 125 5"                    | 140                        |                                                                                  | 4.1                  | + 0.8            | 131                                     | 2.739                               |                                                              | 5m               |
| 150 6"                    | 165                        | ± 0.5                                                                            | 5.1                  |                  | 154                                     | 3.941                               |                                                              | 5m               |
| 200 8"                    | 216                        | ± 0.7                                                                            | 6.5                  | + 1.0            | 202                                     | 6.572                               |                                                              | 6m               |
| 250 10"                   | 267                        | ± 0.9                                                                            | 7.8                  | + 1.2            | 250                                     | 9.758                               |                                                              | 6m               |
| 300 12"                   | 318                        | ± 1.0                                                                            | 9.2                  | + 1.4            | 298                                     | 13.701                              |                                                              | 6m               |
| 350 14"                   | 370                        | ± 1.2                                                                            | 10.5                 |                  | 348                                     | 18.051                              |                                                              | 6m               |
| 400 16"                   | 420                        | ± 1.3                                                                            | 11.8                 | + 1.6            | 395                                     | 23.059                              |                                                              | 6m               |
| 450 18"                   | 470                        | ± 1.5                                                                            | 13.2                 | + 1.8            | 442                                     | 28.875                              |                                                              | 6m               |
| 500 20"                   | 520                        | ± 1.6                                                                            | 14.6                 | + 2.0            | 489                                     | 35.346                              |                                                              | 6m               |
| 600 24"                   | 630                        | ± 3.2                                                                            | 17.8                 | + 2.8            | 592                                     | 52.678                              |                                                              | 6m               |

註/NOTE :

- (a) 平均外徑許可差係指在任意截面之圓周測定值除以圓周率3.142所得之值，或在圓周上等間隔之兩處外徑測定值之平均值(平均外徑)與基準尺度之差。
- 管材長度可由買賣雙方協議。

- (a) The tolerance of means outside diameter is the difference between the value obtained by dividing the circumference of randomly picked cross-section by the circular constant, 3.142, or the mean of measured value of outside diameter in two directions with mutually equal interval in a randomly picked cross-section (mean outside diameter) and the reference dimension.
- Pipe length can be determined by the buyer and seller agreement.

### \*VP (B 管) 一般厚管 TYPE VP (B Pipe) Thick Pipe

單位 Unit : mm

| 標稱管徑<br>Nominal<br>Pipe Size | 外徑<br>Outside Diameter        |                                                                                                         |                                                                                           | 厚度<br>Wall Thickness |                  | 近似內徑<br>(參考)<br>Approx.<br>Inside<br>Diameter | 質量<br>(參考)<br>Approx.<br>Weight<br>(kg/m) | 20°C<br>使用<br>壓力<br>Working<br>Pressure<br>at 20°C<br>(kgf/cm²) | 長度<br>Length<br>(m) |
|------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|------------------|-----------------------------------------------|-------------------------------------------|-----------------------------------------------------------------|---------------------|
|                              | 基準尺度<br>Reference<br>Diameter | 最大、最小外徑之<br>許可差 <sup>(a)</sup><br>Tolerance<br>of max.<br>and min<br>outside<br>diameter <sup>(a)</sup> | 平均外徑之<br>許可差 <sup>(b)</sup><br>Tolerance<br>of mean<br>outside<br>diameter <sup>(b)</sup> | 最小<br>Minimum        | 許可差<br>Tolerance |                                               |                                           |                                                                 |                     |
| 13                           | 3/8"                          | 18                                                                                                      |                                                                                           |                      | 2.2              |                                               | 13                                        | 0.174                                                           |                     |
| 16                           | 1/2"                          | 22                                                                                                      | ± 0.2                                                                                     |                      | 2.7              | + 0.6                                         | 16                                        | 0.256                                                           | 4m                  |
| 20                           | 3/4"                          | 26                                                                                                      |                                                                                           |                      |                  |                                               | 20                                        | 0.310                                                           | 4m                  |
| 25                           | 1"W                           | 32                                                                                                      |                                                                                           |                      |                  |                                               | 25                                        | 0.448                                                           | 4m                  |
| 30                           | 1¼"W                          | 38                                                                                                      | ± 0.3                                                                                     |                      | 3.1              |                                               | 31                                        | 0.542                                                           | 4m                  |
| 40                           | 1½"                           | 48                                                                                                      |                                                                                           |                      |                  |                                               | 40                                        | 0.791                                                           | 4m                  |
| 50                           | 2"                            | 60                                                                                                      |                                                                                           |                      |                  |                                               | 51                                        | 1.122                                                           | 4m                  |
| 65                           | 2½"                           | 76                                                                                                      | ± 0.4                                                                                     |                      | 4.1              | + 0.8                                         | 67                                        | 1.445                                                           | 4m                  |
| 80                           | 3"                            | 89                                                                                                      | ± 0.5                                                                                     | ± 0.3                | 5.5              |                                               | 77                                        | 2.202                                                           | 4m                  |
| 100                          | 4"                            | 114                                                                                                     | ± 0.6                                                                                     | ± 0.4                | 6.6              | + 1.0                                         | 100                                       | 3.409                                                           | 5m                  |
| 125                          | 5"                            | 140                                                                                                     | ± 0.8                                                                                     |                      | 7.0              |                                               | 125                                       | 4.464                                                           | 5m                  |
| 150                          | 6"                            | 165                                                                                                     | ± 0.5                                                                                     | ± 0.5                | 8.9              |                                               |                                           |                                                                 |                     |
| 200                          | 8"                            | 216                                                                                                     | ± 1.0                                                                                     |                      | 8.9              | + 1.4                                         | 146                                       | 6.701                                                           | 6m                  |
|                              |                               |                                                                                                         | ± 1.3                                                                                     | ± 0.7                | 10.3             |                                               | 194                                       | 10.129                                                          | 6m                  |
| 250                          | 10"                           | 267                                                                                                     | ± 1.6                                                                                     | ± 0.9                | 12.7             | + 1.8                                         | 240                                       | 15.481                                                          | 6m                  |
| 300                          | 12"                           | 318                                                                                                     | ± 1.9                                                                                     | ± 1.0                | 15.1             | + 2.2                                         | 286                                       | 21.962                                                          | 6m                  |
| 350                          | 14"                           | 370                                                                                                     | ± 2.2                                                                                     | ± 1.2                | 18.0             | + 2.6                                         | 333                                       | 30.407                                                          | 6m                  |
| 400                          | 16"                           | 420                                                                                                     | ± 2.6                                                                                     | ± 1.3                | 20.5             | + 3.0                                         | 378                                       | 39.336                                                          | 6m                  |
| 450                          | 18"                           | 470                                                                                                     | ± 3.0                                                                                     | ± 1.5                | 22.9             | + 3.4                                         | 423                                       | 49.223                                                          | 6m                  |
| 500                          | 20"                           | 520                                                                                                     | ± 3.5                                                                                     | ± 1.6                | 25.3             | + 3.8                                         | 468                                       | 60.218                                                          | 6m                  |
| 600                          | 24"                           | 630                                                                                                     | ± 4.0                                                                                     | ± 3.2                | 30.7             | + 4.0                                         | 567                                       | 87.746                                                          | 6m                  |

註/NOTE :

- (a) 最大、最小外徑之許可差係指在任意截面之外徑測定值最大值及最小值(最大、最小外徑)與基準尺度之差。
- 一般壓力用管為淺灰色。
- 下水道及建築物污水用管為橘紅色，6"~12"長度為5m，14"~24"為訂製品。
- 其它顏色可經由協議後，予以訂購。
- 管材長度可由買賣雙方協議。

- (a) The tolerance of maximum and minimum diameter means the difference between the measured maximum and minimum values of outside diameter in a randomly picked cross-section (maximum and minimum diameter) and the reference dimension.
- PVC pressure pipes for general purposes are light gray, the length of 6"~12" is 5m, and the diameter of 14"~24" is made to order.
- PVC pipes for sewerage and sewer lines are reddish-orange.
- The other colors could be produced by deal with customers.
- Pipe length can be determined by the buyer and seller agreement.

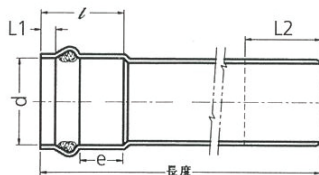
\* 使用時注意事項 / Precautions :

- 在屋外儲存時，應避免直射日光，以不聚積熱氣的方式被蓋帆布等措施。
- 管不得直接加螺紋。
- 管不得噴射、塗布或接觸對其材質有不利影響之物質，例：丙酮、稀釋劑、雜酚油(cresol)、殺蟲劑、白蟻驅除劑等。再者，即使上述物質不直接與管件接觸時，例：須注意管淺埋時，若將上述物質灑在地面，則會滲透於地下而侵蝕管。
- 為降低管路沉陷或溫度變化引起之伸縮等，依需要採取適當措施，例：在適當場所設置可撓性管件。
- When pipes are stored outside, please avoid direct sunlight and cover them with canvas without gathering heat.
- Don't install threads in pipes.
- Don't spray, coat or contact pipes with harmful substances, such as acetone, thinner, cresol, insecticide, termite repellent, etc. Furthermore, even if above substances do not directly contact pipes, please note that when the pipe is shallowly buried, if above substances are spilled on the ground, they will penetrate the ground and erode pipes.
- In order to reduce the expansion and contraction caused by pipeline subsidence or temperature changes, take appropriate measures as needed, for example: install flexible pipes in appropriate places.



## 4 PVC-U管規格 Specification of PVC-U Pipe

\*活套VP (B管) 一般用管 Ring-Seal Type VP (B Pipe) for General Use



單位 Unit: mm

| 標稱管徑<br>Nominal Pipe Size | 平均內徑<br>最小值(d)<br>(min) | 有效插入長度<br>最小值(e)<br>(min) | 唇長最小值<br>(L1)<br>(min) | 管承口長度<br>最小值(L2)<br>(min) | 雄管插入長度<br>L2(約)<br>Insert Length of<br>Male Adapter |
|---------------------------|-------------------------|---------------------------|------------------------|---------------------------|-----------------------------------------------------|
| 40 1 1/2"                 | 48.3                    | 57                        | 12                     | 110                       | 50~55                                               |
| 50 2"                     | 60.3                    | 58                        | 15                     | 115                       | 60~65                                               |
| 65 2 1/2"                 | 76.4                    | 60                        | 20                     | 125                       | 70~75                                               |
| 80 3"                     | 89.5                    | 61                        | 20                     | 130                       | 80~85                                               |
| 100 4"                    | 114.5                   | 64                        | 20                     | 145                       | 95~105                                              |
| 125 5"                    | 140.6                   | 67                        | 25                     | 150                       | 105~115                                             |
| 150 6"                    | 165.7                   | 70                        | 30                     | 165                       | 120~130                                             |
| 200 8"                    | 216.9                   | 76                        | 30                     | 190                       | 170~180                                             |
| 250 10"                   | 268.1                   | 82                        | 30                     | 210                       | 200~210                                             |
| 300 12"                   | 319.3                   | 88                        | 35                     | 235                       | 245~260                                             |
| 350 14"                   | 371.5                   | 89                        | 35                     | 245                       | 285~300                                             |
| 400 16"                   | 421.7                   | 91                        | 35                     | 265                       | 315~330                                             |
| 450 18"                   | 471.9                   | 94                        | 40                     | 290                       | 345~360                                             |
| 500 20"                   | 522.1                   | 96                        | 40                     | 305                       | 385~400                                             |
| 600 24"                   | 633.8                   | 102                       | 45                     | 355                       | 465~480                                             |

註：1. 管材長度可由買賣雙方協議。

2. 標稱管徑200以上之活套承口，其承口部分之厚度不得小於直管之厚度。

NOTE: 1. Pipe length can be determined by the buyer and seller agreement.

2. Thickness of loose socket (Nominal pipe size: above 200 mm) must be thinner than that of PVC-U pipe.

\*使用時注意事項 / Precautions:

- 在屋外儲存時，應避免直射日光，以不聚積熱氣的方式被蓋帆布等措施。
  - 管不得直接加螺紋。
  - 管不得噴射、塗布或接觸對其材質有不利影響之物質，例：丙酮、稀釋劑、雞油(cresol)、殺蟲劑、白蟻驅除劑等。再者，即使上述物質不直接與管接觸時，例：須注意管淺埋時，若將上述物質灑在地面，則會滲透於地下而侵蝕管。
  - 為降低管路沉陷或溫度變化引起之伸縮等，應依需要採取適當措施，例：在適當場所設置可撓性管件。
  - 接著劑應薄薄地均勻塗布在已清潔之管與管配件各黏合面，迅速黏合並保持插入力至規定時間。黏合後擦掉所溢出之接著劑。施工時，採取換氣等措施，以驅出管內之接著劑蒸氣。接著既須使用適合於管配件種類者。
1. When pipes are stored outside, please avoid direct sunlight and cover them with canvas without gathering heat.  
2. Don't install threads in pipes.  
3. Don't spray, coat or contact pipes with harmful substances, such as acetone, thinner, cresol, insecticide, termite repellent, etc. Furthermore, even if above substances do not directly contact pipes, please note that when the pipe is shallowly buried, if above substances are spilled on the ground, they will penetrate the ground and erode pipes.  
4. In order to reduce the expansion and contraction caused by pipeline subsidence or temperature changes, take appropriate measures as needed, for example: install flexible pipes in appropriate places.  
5. Vinyl adhesive should be applied evenly and uniformly on the adhesive surfaces of cleaned pipes and their accessories; then, please adhere quickly and maintain the insertion force until the specified time; next, please wipe off vinyl adhesive out of pipes after bonding them. Last, please take measures such as ventilation to expel the vinyl adhesive vapor in pipes during the construction. Therefore, it is necessary to choose suitable pipes to match relative accessories.

## (二) 自來水用管 PVC-U Pipe for Water Supply (CNS 4053-1)

\*W管  
TYPE W

單位 Unit: mm

| 標稱管徑<br>Nominal Pipe Size | 外徑<br>Outside Diameter     |                                                                                  | 厚度<br>Wall Thickness                                                 |               | 近似內徑<br>(參考)<br>Approx. Inside Diameter | 質量<br>(參考)<br>Approx. Weight (kg/m) | 20°C 使用壓力<br>Allow working Pressure at 20°C (kgf/cm²) | 長度<br>Length (m) |
|---------------------------|----------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|-----------------------------------------|-------------------------------------|-------------------------------------------------------|------------------|
|                           | 基準尺寸<br>Reference Diameter | 最大、最小外徑之許可差<br>(a)<br>Tolerance of max. and min. outside diameter <sup>(a)</sup> | 平均外徑之許可差<br>(b)<br>Tolerance of mean outside diameter <sup>(b)</sup> | 最小<br>Minimum | 許可差<br>Tolerance                        |                                     |                                                       |                  |
| 13 3/8"                   | 18                         | ± 0.2                                                                            | ± 0.2                                                                | 2.3           | + 0.4                                   | 13                                  | 0.174                                                 | 4m               |
| 16 1/2"                   | 22                         |                                                                                  |                                                                      | 2.7           | + 0.6                                   | 16                                  | 0.256                                                 | 4m               |
| 20 3/4"                   | 26                         |                                                                                  |                                                                      | 3.2           |                                         | 20                                  | 0.310                                                 | 4m               |
| 25 1"W                    | 32                         |                                                                                  |                                                                      | 3.7           |                                         | 25                                  | 0.448                                                 | 4m               |
| 30 1 1/4"W                | 38                         | ± 0.3                                                                            | ± 0.2                                                                | 4.1           | + 0.8                                   | 31                                  | 0.542                                                 | 4m               |
| 40 1 1/2"                 | 48                         |                                                                                  |                                                                      | 4.6           |                                         | 40                                  | 0.791                                                 | 4m               |
| 50 2"                     | 60                         |                                                                                  |                                                                      | 5.1           |                                         | 51                                  | 1.122                                                 | 4m               |
| 65 2 1/2"                 | 76                         |                                                                                  |                                                                      | 5.5           |                                         | 67                                  | 1.445                                                 | 4m               |
| 80 3"                     | 89                         | ± 0.5                                                                            | ± 0.3                                                                | 6.6           | + 1.0                                   | 78                                  | 2.202                                                 | 4m               |
| 100 4"                    | 114                        |                                                                                  |                                                                      | 7.0           |                                         | 100                                 | 3.409                                                 | 5m               |
| 125 5"                    | 140                        |                                                                                  |                                                                      | 7.6           |                                         | 124                                 | 4.464                                                 | 5m               |
| 150 6"                    | 165                        |                                                                                  |                                                                      | 9.0           | + 1.2                                   | 146                                 | 6.701                                                 | 6m               |
| 200 8"                    | 216                        | ± 1.3                                                                            | ± 0.7                                                                | 10.8          |                                         | 194                                 | 10.559                                                | 6m               |
| 250 10"                   | 267                        |                                                                                  |                                                                      | 13.3          |                                         | 239                                 | 16.119                                                | 6m               |
| 300 12"                   | 318                        |                                                                                  |                                                                      | 15.9          |                                         | 285                                 | 22.976                                                | 6m               |
| 350 14"                   | 370                        | ± 2.2                                                                            | ± 1.2                                                                | 18.0          | + 2.6                                   | 332                                 | 30.407                                                | 6m               |
| 400 16"                   | 420                        |                                                                                  |                                                                      | 20.5          |                                         | 376                                 | 39.336                                                | 6m               |
| 450 18"                   | 470                        |                                                                                  |                                                                      | 22.9          |                                         | 421                                 | 49.223                                                | 6m               |
| 500 20"                   | 520                        |                                                                                  |                                                                      | 25.3          | + 3.8                                   | 466                                 | 60.218                                                | 6m               |
| 600 24"                   | 630                        | ± 4.0                                                                            | ± 3.2                                                                | 30.7          |                                         | 565                                 | 87.746                                                | 6m               |

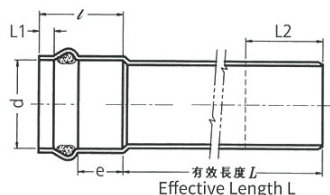
註/NOTE:

- (a) 最大、最小外徑之許可差係指在任意截面之外徑測定值最大值及最小值(最大、最小外徑)與基準尺寸之差。
- (b) 平均外徑許可差係指在任意截面之圓周測定值除以圓周率3.142所得之值，或在圓周上等間隔之兩處外徑測定值之平均值(平均外徑)與基準尺寸之差。
- 管材長度可由買賣雙方協議。
- (a) The tolerance of maximum and minimum diameter means the difference between the measured maximum and minimum values of outside diameter in a randomly picked cross-section (maximum and minimum diameter) and the reference dimension.
- (b) The tolerance of means outside diameter is the difference between the value obtained by dividing the circumference of randomly picked cross-section by the circular constant, 3.142, or the mean of measured value of outside diameter in two directions with mutually equal interval in a randomly picked cross-section (mean outside diameter) and the reference dimension.
- Pipe length can be determined by the buyer and seller agreement.



## 4 PVC-U管規格 Specification of PVC-U Pipe

\*活套管(自來水用) Ring-Seal Type for Water Supply



| 標稱管徑<br>Nominal Pipe Size | 平均內徑<br>最小值(d) (mm) | 有效插入長度<br>最小值(e) (mm) | 管承口長度<br>最小值(L) (mm) | 雄管插入長度<br>L2(約)<br>Insert Length of<br>Male Adapter | 有效長度<br>L |
|---------------------------|---------------------|-----------------------|----------------------|-----------------------------------------------------|-----------|
| 40 1 1/2"                 | 48.3                | 57                    | 110                  | 50~55                                               | 4m        |
| 50 2"                     | 60.3                | 58                    | 115                  | 60~65                                               | 4m~7m     |
| 65 2 1/2"                 | 76.4                | 60                    | 125                  | 70~75                                               | 4m~7m     |
| 80 3"                     | 89.5                | 61                    | 130                  | 80~85                                               | 4m~7m     |
| 100 4"                    | 114.5               | 64                    | 145                  | 90~100                                              | 5m~7m     |
| 125 5"                    | 140.6               | 67                    | 150                  | 105~115                                             | 5m~7m     |
| 150 6"                    | 165.7               | 70                    | 165                  | 120~130                                             | 6m~7m     |
| 200 8"                    | 216.9               | 76                    | 190                  | 170~180                                             | 6m~7m     |
| 250 10"                   | 268.1               | 82                    | 210                  | 200~210                                             | 6m~7m     |
| 300 12"                   | 319.3               | 88                    | 235                  | 245~260                                             | 6m~7m     |
| 350 14"                   | 371.5               | 89                    | 245                  | 285~300                                             | 6m~7m     |
| 400 16"                   | 421.7               | 91                    | 265                  | 315~330                                             | 6m~7m     |
| 450 18"                   | 471.9               | 94                    | 290                  | 345~360                                             | 6m~7m     |
| 500 20"                   | 522.1               | 96                    | 305                  | 385~400                                             | 6m~7m     |
| 600 24"                   | 633.8               | 102                   | 355                  | 460~475                                             | 6m~7m     |

註/NOTE:

- 200mm(8")以上為活套增厚管,其承口部分之厚度不得小於直管之厚度。
- 管材長度可由買賣雙方協議。

1. Above 200mm(8") is the ring-seal type for drinking water, and its thickness of socket must be thicker than thickness of PVC-U pipe.

2. Pipe length can be determined by the buyer and seller agreement.

\*使用時注意事項 / Precautions:

1. 在屋外儲存時,應避免直射日光,以不聚積熱氣的方式被蓋帆布等措施。

2. 管不得直接加螺紋。

3. 管不得噴射、塗布或接觸對其材質有不利影響之物質,例:丙酮、稀釋劑、雜酚油(Creosote)、殺蟲劑、白蟻驅除劑等。再者,即使上述物質不直接與管接觸時,例:須注意管淺埋時,若將上述物質灑在地面,則會滲透於地下而侵蝕管。

4. 為降低管路沉陷或溫度變化引起之伸縮等,應依需要採取適當措施,例:在適當場所設置可撓性管件。

5. 接著劑應薄薄地均勻塗布在已清潔之管與管配件各黏合面,迅速黏合並保持插入力至規定時間。黏合後擦掉所溢之接著劑。施工時,採取換氣等措施,以驅出管內之接著劑蒸氣。接著既須使用適合於管配件種類者。

1. When pipes are stored outside, please avoid direct sunlight and cover them with canvas without gathering heat.

2. Don't install threads in pipes.

3. Don't spray, coat or contact pipes with harmful substances, such as acetone, thinner, cresol, insecticide, termite repellent, etc. Furthermore, even if above substances do not directly contact pipes, please note that when the pipe is shallowly buried, if above substances are spilled on the ground, they will penetrate the ground and erode pipes.

4. In order to reduce the expansion and contraction caused by pipeline subsidence or temperature changes, take appropriate measures as needed, for example: install flexible pipes in appropriate places.

5. Vinyl adhesive should be applied evenly and uniformly on the adhesive surfaces of cleaned pipes and their accessories; then, please adhere quickly and maintain the insertion force until the specified time; next, please wipe off vinyl adhesive out of pipes after bonding them. Last, please take measures such as ventilation to expel the vinyl adhesive vapor in pipes during the construction. Therefore, it is necessary to choose suitable pipes to match relative accessories.

## (三) PVC-U電線導管 PVC-U Pipe for Electric Conduit Use (CNS 1302)

\* E 管 TYPE E

單位 Unit : mm

| 標稱管徑<br>Nominal Pipe Size | 外徑及<br>許可差<br>Outside<br>Diameter and<br>Tolerance | 厚度<br>Wall Thickness |                  | 近似內徑<br>(參考)<br>Approx.<br>Inside<br>Diameter | 質量<br>(參考)<br>Approx.<br>Weight<br>(kg/m) | 長度<br>許可差<br>Length<br>Tolerance | 長度<br>Length<br>(m) |
|---------------------------|----------------------------------------------------|----------------------|------------------|-----------------------------------------------|-------------------------------------------|----------------------------------|---------------------|
|                           |                                                    | 最小<br>Minimum        | 許可差<br>Tolerance |                                               |                                           |                                  |                     |
| 13 3/8"                   | 18 ± 0.2                                           | 1.8                  | + 0.4            | 14                                            | 0.144                                     | 標示值<br>+30<br>-10                | 4m                  |
| 16 1/2"                   | 22 ± 0.2                                           | 1.8                  | + 0.4            | 18                                            | 0.180                                     |                                  | 4m                  |
| 20 3/4"                   | 26 ± 0.2                                           | 1.8                  | + 0.4            | 22                                            | 0.216                                     |                                  | 4m                  |
| 28 1"                     | 34 ± 0.3                                           | 2.7                  | + 0.6            | 28                                            | 0.420                                     |                                  | 4m                  |
| 35 1 1/4"                 | 42 ± 0.3                                           | 3.1                  | + 0.8            | 35                                            | 0.608                                     |                                  | 4m                  |
| 41 1 1/2"                 | 48 ± 0.4                                           | 3.1                  | + 0.8            | 41                                            | 0.702                                     |                                  | 4m                  |
| 52 2"                     | 60 ± 0.5                                           | 3.6                  | + 0.8            | 52                                            | 1.010                                     |                                  | 4m                  |
| 65 2 1/2"                 | 76 ± 0.5                                           | 4.1                  | + 0.8            | 67                                            | 1.450                                     |                                  | 4m                  |
| 80 3"                     | 89 ± 0.5                                           | 5.1                  | + 0.8            | 78                                            | 2.070                                     |                                  | 4m                  |
| 100 4"                    | 114 ± 0.6                                          | 6.6                  | + 1.0            | 100                                           | 3.420                                     |                                  | 5m                  |
| 125 5"                    | 140 ± 0.8                                          | 7.0                  | + 1.0            | 125                                           | 4.490                                     |                                  | 5m                  |
| 150 6"                    | 165 ± 1.0                                          | 8.5                  | + 1.4            | 148                                           | 6.460                                     |                                  | 6m                  |
| 200 8"                    | 216 ± 1.3                                          | 10.5                 | + 1.4            | 194                                           | 10.340                                    |                                  | 6m                  |

註/NOTE:

1. 外徑係指任意互相垂直兩外徑之算術平均值。

2. 管材長度可由買賣雙方協議。

1. Average O.D refers to the arithmetic arithmetic mean value of any two given O.D at the right angle to each other.

2. Pipe length can be determined by the buyer and seller agreement.

\* ES-1管 TYPE ES-1

單位 Unit : mm

| 標稱管徑<br>Nominal Pipe Size | 外徑及<br>許可差<br>Outside<br>Diameter and<br>Tolerance | 厚度<br>Wall Thickness |                  | 近似內徑<br>(參考)<br>Approx.<br>Inside<br>Diameter | 質量<br>(參考)<br>Approx.<br>Weight<br>(kg/m) | 長度<br>許可差<br>Length<br>Tolerance | 長度<br>Length<br>(m) |
|---------------------------|----------------------------------------------------|----------------------|------------------|-----------------------------------------------|-------------------------------------------|----------------------------------|---------------------|
|                           |                                                    | 最小<br>Minimum        | 許可差<br>Tolerance |                                               |                                           |                                  |                     |
| 80 3"                     | 89 ± 0.5                                           | 2.7                  | + 0.6            | 83                                            | 1.160                                     | 標示值<br>+30<br>-10                | 4m                  |
| 100 4"                    | 114 ± 0.6                                          | 3.6                  | + 0.8            | 106                                           | 1.980                                     |                                  | 5m                  |
| 125 5"                    | 140 ± 0.8                                          | 4.1                  | + 0.8            | 131                                           | 2.750                                     |                                  | 5m                  |
| 150 6"                    | 165 ± 1.0                                          | 5.1                  | + 0.8            | 154                                           | 3.960                                     |                                  | 5m                  |

註/NOTE:

1. 外徑係指任意互相垂直兩外徑之算術平均值。

2. 管材長度可由買賣雙方協議。

1. Average O.D refers to the arithmetic arithmetic mean value of any two given O.D at the right angle to each other.

2. Pipe length can be determined by the buyer and seller agreement.

\*使用時注意事項 / Precautions:

1. 管在屋外儲存時應避免日光直射,在熱氣可流通的方式下覆蓋帆布等措施。

2. 不得對管直接切螺紋。

3. 不得有對其材質有不良影響之物質,例如丙酮、稀釋劑、雜酚油、殺蟲劑、白蟻驅除劑等進行噴射、塗布。

1. The pipes should be stored outdoors to avoid direct sunlight, in the hot air circulation can be covered under the canvas and other measures.

2. Do not thread the pipe directly on the pipe.

3. The material that adversely affects the pipes, such as acetone, diluents, creosote, insecticides, termite repellents etc., should not be sprayed and applied on the pipes.



## 4 PVC-U管規格 Specification of PVC-U Pipe

### (四) 耐衝擊PVC-U管 PVC-U Pipe for High-Impact Use (CNS 14345)

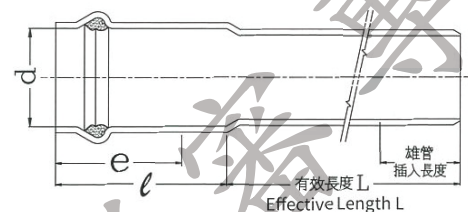
單位 Unit : mm

| 標稱管徑<br>Nominal<br>Pipe Size | 外徑 Outside Diameter           |                                                                                                      |                                                                                        | 厚度 Wall Thickness |                  | 近似內徑<br>(參考)<br>Approx.<br>Inside<br>Diameter | 質量<br>(參考)<br>Approx.<br>Weight<br>(kg/m) |
|------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------|------------------|-----------------------------------------------|-------------------------------------------|
|                              | 基準尺度<br>Reference<br>Diameter | 最大、最小<br>外徑之許可差 <sup>(a)</sup><br>Tolerance<br>of max. and<br>min outside<br>diameter <sup>(a)</sup> | 平均外徑之許可<br>差 <sup>(b)</sup><br>Tolerance of<br>mean outside<br>diameter <sup>(b)</sup> | 最小<br>Minimum     | 許可差<br>Tolerance |                                               |                                           |
| 16 ½"                        | 22                            | ± 0.2                                                                                                | ± 0.2                                                                                  | 2.7               | + 0.6            | 16                                            | 0.251                                     |
| 20 ¾"                        | 26                            |                                                                                                      |                                                                                        | 3.2               |                  | 20                                            | 0.304                                     |
| 25 1"W                       | 32                            |                                                                                                      |                                                                                        |                   |                  | 25                                            | 0.439                                     |
| 30 1¼"W                      | 38                            |                                                                                                      |                                                                                        | 3.7               |                  | 31                                            | 0.531                                     |
| 40 1½"                       | 48                            | 40                                                                                                   |                                                                                        |                   | 0.774            |                                               |                                           |
| 50 2"                        | 60                            | ± 0.4                                                                                                | ± 0.3                                                                                  | 4.1               | + 0.8            | 51                                            | 1.099                                     |
| 65 2½"                       | 76                            | ± 0.5                                                                                                |                                                                                        | 5.5               |                  | 67                                            | 1.415                                     |
| 80 3"                        | 89                            |                                                                                                      |                                                                                        |                   |                  | 77                                            | 2.156                                     |
| 100 4"                       | 114                           | ± 0.6                                                                                                |                                                                                        | 6.6               | + 1.0            | 100                                           | 3.338                                     |
| 125 5"                       | 140                           | ± 0.8                                                                                                | ± 0.3                                                                                  | 7.5               | + 1.2            | 124                                           | 4.699                                     |
| 150 6"                       | 165                           | ± 1.0                                                                                                |                                                                                        | 9.0               |                  | 146                                           | 6.562                                     |
| 200 8"                       | 216                           | ± 1.3                                                                                                |                                                                                        | 10.5              |                  | 194                                           | 10.089                                    |
| 250 10"                      | 267                           | ± 1.6                                                                                                |                                                                                        | 13.0              | + 1.8            | 239                                           | 15.473                                    |
| 300 12"                      | 318                           | ± 1.9                                                                                                | ± 1.0                                                                                  | 15.5              | + 2.2            | 285                                           | 22.005                                    |
| 350 14"                      | 370                           | ± 2.2                                                                                                | ± 1.2                                                                                  | 18.0              | + 2.6            | 332                                           | 29.770                                    |
| 400 16"                      | 420                           | ± 2.6                                                                                                | ± 1.3                                                                                  | 20.5              | + 3.0            | 376                                           | 38.511                                    |
| 450 18"                      | 470                           | ± 3.0                                                                                                | ± 1.5                                                                                  | 22.9              | + 3.4            | 421                                           | 48.170                                    |
| 500 20"                      | 520                           | ± 3.5                                                                                                | ± 1.6                                                                                  | 25.3              | + 3.8            | 466                                           | 58.930                                    |
| 600 24"                      | 630                           | ± 4.0                                                                                                | ± 3.2                                                                                  | 30.7              | + 4.0            | 565                                           | 85.860                                    |

註/NOTE:

- <sup>(a)</sup>最大、最小外徑之許可差係指在任意截面之外徑測定值最大值及最小值(最大、最小外徑)與基準尺度之差。
- 耐衝擊活套管之尺度規格與自來水用相同。
- 耐衝擊管為藍黑系顏色。
- 其他顏色可經由協議後予以訂購。
- 管材長度可由買賣雙方協議。
- 標稱管徑450~500~600其承口尺度需經當事人間協議。
- <sup>(b)</sup>The tolerance of maximum and minimum diameter means the difference between the measured maximum and minimum values of outside diameter in a randomly picked cross-section (maximum and minimum diameter) and the reference dimension.
- The pipe sizes and specification of ring-seal type for High-Impact are same with the ring-seal type for Drinking water's.
- PVC-U pipe for High-Impact is dark black-blue color.
- The other colors could be produced by deal with customers.
- Pipe length can be determined by the buyer and seller agreement.
- Nominal Pipe Size 450~500~600 with solvent cement socket can be determined by the buyer and seller agreement.

### 耐衝擊長型活套管(A型) Ring-Seal Type A for High-Impact Use



d : 內徑 Inside Diameter  
e : 插入長度 Insert Length  
L : 承口長度 Socket Length

單位 Unit : mm

| 標稱管徑<br>Nominal<br>Pipe Size |     | 平均內徑<br>最小值(d)<br>(min)<br>Mean Inside<br>Diameter | 有效插入長度<br>最小值(e)<br>(min)<br>Insert<br>Effective<br>Length | 管承口長度<br>最小值(L)<br>(min)<br>Socket<br>Length | 承口厚度<br>Wall Thickness of Socket |                  | 有效長度<br>L<br>Effective<br>Length |
|------------------------------|-----|----------------------------------------------------|------------------------------------------------------------|----------------------------------------------|----------------------------------|------------------|----------------------------------|
|                              |     |                                                    |                                                            |                                              | 最小<br>Minimum                    | 許可差<br>Tolerance |                                  |
| 40                           | 1½" | 48.2                                               | 151                                                        | 215                                          | 3.6                              | +0.8             | 4m                               |
| 50                           | 2"  | 60.3                                               | 156                                                        | 220                                          | 4.1                              |                  | 4m~7m                            |
| 65                           | 2½" | 76.5                                               | 156                                                        | 220                                          |                                  |                  | 4m~7m                            |
| 80                           | 3"  | 89.5                                               | 166                                                        | 220                                          | 5.5                              |                  | 4m~7m                            |
| 100                          | 4"  | 114.6                                              | 179                                                        | 235                                          | 6.6                              | +1.0             | 5m~7m                            |
| 125                          | 5"  | 140.6                                              | 191                                                        | 245                                          | 7.5                              | +1.2             | 5m~7m                            |
| 150                          | 6"  | 165.8                                              | 201                                                        | 250                                          | 9.0                              |                  | 6m, 7m                           |
| 200                          | 8"  | 217.0                                              | 222                                                        | 270                                          | 10.5                             | +1.4             | 6m, 7m                           |
| 250                          | 10" | 268.1                                              | 248                                                        | 290                                          | 13.0                             | +1.8             | 6m, 7m                           |
| 300                          | 12" | 319.4                                              | 272                                                        | 310                                          | 15.5                             | +2.2             | 6m, 7m                           |
| 350                          | 14" | 371.6                                              | 292                                                        | 330                                          | 18.0                             | +2.6             | 6m, 7m                           |
| 400                          | 16" | 422.0                                              | 312                                                        | 350                                          | 20.5                             | +3.0             | 6m, 7m                           |

註/NOTE:

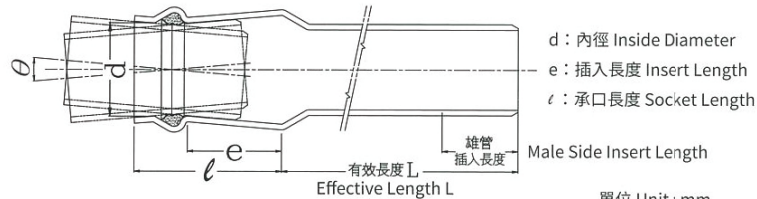
- 管材長度可由買賣雙方協議。  
Pipe length can be determined by the buyer and seller agreement.



## 4

PVC-U管規格  
Specification of PVC-U Pipe

耐衝擊可撓性活套管(B型) Ring-Seal Type B for High-Impact Use



| 標稱管徑<br>Nominal Pipe Size | 平均內徑<br>最小值(d)<br>(min)<br>Mean Inside Diameter | 有效插入長度<br>最小值(e) (min)<br>Insert Effective Length | 管承口長度<br>最小值(L)<br>(min)<br>Socket Length | 承口厚度<br>Wall Thickness of Socket |                  | 有效長度<br>Effective Length |
|---------------------------|-------------------------------------------------|---------------------------------------------------|-------------------------------------------|----------------------------------|------------------|--------------------------|
|                           |                                                 |                                                   |                                           | 最小<br>Minimum                    | 許可差<br>Tolerance |                          |
| 40                        | 1½"                                             | 48.3                                              | 44                                        | 105                              | 3.6              | 4m                       |
| 50                        | 2"                                              | 60.3                                              | 50                                        | 125                              | 4.1              | 4m~7m                    |
| 65                        | 2½"                                             | 76.4                                              | 55                                        | 135                              | 4.1              | 4m~7m                    |
| 80                        | 3"                                              | 89.5                                              | 60                                        | 145                              | 5.5              | 4m~7m                    |
| 100                       | 4"                                              | 114.5                                             | 80                                        | 160                              | 6.6              | 5m~7m                    |
| 125                       | 5"                                              | 140.6                                             | 90                                        | 175                              | 7.5              | 5m~7m                    |
| 150                       | 6"                                              | 165.7                                             | 100                                       | 200                              | 9.0              | 6m, 7m                   |
| 200                       | 8"                                              | 216.9                                             | 115                                       | 235                              | 10.5             | 6m, 7m                   |
| 250                       | 10"                                             | 268.1                                             | 145                                       | 280                              | 13.0             | 6m, 7m                   |
| 300                       | 12"                                             | 319.3                                             | 170                                       | 320                              | 15.5             | 6m, 7m                   |
| 350                       | 14"                                             | 371.5                                             | 200                                       | 355                              | 18               | 6m, 7m                   |
| 400                       | 16"                                             | 421.7                                             | 230                                       | 380                              | 20.5             | 6m, 7m                   |

註/NOTE:

1. 可撓性活套頭(B型)套接後雄管端之可撓度θ: ±5°以內。
2. 管材長度可由買賣雙方協議。
1. Ring-Seal Type B joint together, the deflectionθ: Between ±5°
2. Pipe length can be determined by the buyer and seller agreement.

## (五) 管筏用PVC-U管 PVC-U Pipe for Raft Use (CNS 12698)

單位 Unit: mm

| 標稱管徑<br>Nominal Pipe Size |     | 外徑及許可差<br>Outside Diameter and Tolerance | 厚度及許可差<br>(mm)<br>Wall Thick-ness and Tolerance | 近似內徑<br>(參考)<br>Approx. Inside Diameter | 最大長度及<br>許可差<br>Greatest Length and Tolerance | 質量(參考)<br>Approx. Weight (kg/m) |
|---------------------------|-----|------------------------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------|---------------------------------|
| 125                       | 5"  | 140 ± 0.8                                | 3.3 + 0.5                                       | 133                                     | 10,000                                        | 2.150                           |
| 150                       | 6"  | 165 ± 1.0                                | 3.7 + 0.7                                       | 157                                     | 11,000                                        | 2.900                           |
| 200                       | 8"  | 216 ± 1.3                                | 4.6 + 0.8                                       | 206                                     | 12,000                                        | 4.760                           |
| 250                       | 10" | 267 ± 1.6                                | 6.6 + 1.0                                       | 253                                     | 13,000                                        | 8.210                           |
| 300                       | 12" | 318 ± 1.9                                | 8.0 + 1.2                                       | 301                                     | 14,000                                        | 11.860                          |
| 350                       | 14" | 370 ± 2.2                                | 9.3 + 1.5                                       | 350                                     | 15,000                                        | 16.230                          |
| 400                       | 16" | 420 ± 2.6                                | 11.2 + 1.8                                      | 396                                     | 16,000                                        | 22.080                          |
| 450                       | 18" | 470 ± 3.0                                | 13.1 + 2.0                                      | 442                                     | 17,000                                        | 28.790                          |

註/NOTE:

1. 外徑係指任意互相垂直兩外徑之算術平均值。
2. 管材長度可由買賣雙方協議。
1. Average O.D refers to the arithmetic mean value of any two given O.D at the right angle to each other.
2. Pipe length can be determined by the buyer and seller agreement.

用途: 適用於沿海及淡水之漁撈、養殖作業之管筏用管。

Application: Rafts for coastal fishing, freshwater fishing, and aquaculture

## (六) 鑿井用管 Well Drilling Engineering

單位 Unit: mm

| 標稱管徑<br>Nominal Pipe Size |     | 外徑及<br>許可差<br>Outside<br>Diameter and<br>Tolerance | 厚度及許可差<br>(mm)<br>Wall Thick-<br>ness and<br>Tolerance | 近似內徑<br>(參考)<br>Approx.<br>Inside<br>Diameter | 重量參考<br>Approx.<br>Weight<br>(kg/m) | 長度<br>Length<br>(m) |
|---------------------------|-----|----------------------------------------------------|--------------------------------------------------------|-----------------------------------------------|-------------------------------------|---------------------|
| 150                       | 6"  | 165± 0.5                                           | 9.0+1.2                                                | 146                                           | 6.701                               | 6m                  |
| 200                       | 8"  | 216± 0.7                                           | 11.0+0.7                                               | 194                                           | 10.129                              | 6m                  |
| 250                       | 10" | 267± 0.9                                           | 13.0+1.5                                               | 240                                           | 15.481                              | 6m                  |
| 300                       | 12" | 318± 1.0                                           | 15.5+1.8                                               | 286                                           | 21.962                              | 6m                  |
| 350                       | 14" | 370± 1.2                                           | 18.0+2.6                                               | 333                                           | 30.407                              | 6m                  |
| 400                       | 16" | 420± 1.3                                           | 20.5+3.0                                               | 378                                           | 39.336                              | 6m                  |
| 450                       | 18" | 470± 1.5                                           | 22.9+3.4                                               | 423                                           | 49.223                              | 6m                  |
| 500                       | 20" | 520± 1.6                                           | 25.3+3.8                                               | 468                                           | 60.218                              | 6m                  |
| 600                       | 24" | 630± 3.2                                           | 30.7+4.0                                               | 567                                           | 87.746                              | 6m                  |

註/NOTE:

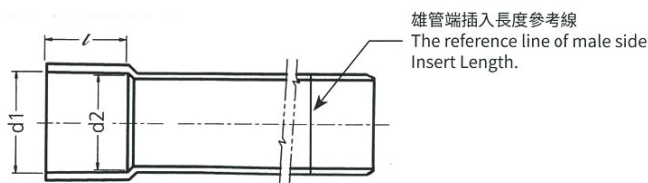
1. 外徑係指任意互相垂直兩外徑之算術平均值。
2. 管材長度可由買賣雙方協議。
3. 依據經濟部水利署規劃試驗所編輯之「附冊三-地下水井鑿井技術參考手冊」章節7.5鑿井工程因地面以下情況不能絕對控制，故工程工料之損耗或失敗無法完全避免。最常見者有下述現象：
  - (1) 鑽孔：井孔坍塌彎曲，或鑽鑿特別艱難等。
  - (2) 放管：接頭脫節管體陷落，管體破裂彎曲，或無法安放至預定深度等。
  - (3) 填石：填石時擦損孔壁，或架橋效應產生填充不實等。
  - (4) 抽水：地層組織過於細緻久洗不清，孔壁坍塌錯亂挽救困難，或水井效率不足須延長抽水時間等。
  - (5) 其他：機械故障、工具陷落、備料不足、進度滯緩、工時延誤等。
4. 影響鑿井工程發生損耗或失敗之因素頗為複雜，有：地層因素、設備因素、環境因素、氣候因素、技術因素、或其他不可抗因素等。謹提供予鑿井施工業者參考。
  1. Average O.D refers to the arithmetic mean value of any two given O.D at the right angle to each other.
  2. Pipe length can be determined by the buyer and seller agreement.
  3. According to Chapter 7.5 of the "Appendix III-Groundwater Well Drilling Technical Reference Manual" edited by the Planning and Testing Institute of the Ministry of Economic Affairs of the Ministry of Economic Affairs, the below-ground conditions cannot be absolutely controlled for the well drilling project, so the loss or failure of engineering materials cannot be completely avoided. The most common ones have the following phenomena:
    - (1) Drilling: the hole collapses and bends, or- drilling is particularly difficult.
    - (2) Pipe release: The joint is disconnected, the tube body collapses, the tube body is broken and bent, or it cannot be placed to a predetermined depth, etc.
    - (3) Rock-filling: rub the wall of the collapsed hole during casing, or the filling effect caused by the bridging effect, etc.
    - (4) Water expansion: the stratum structure is too detailed to wash for a long time, the hole wall collapses and it is difficult to save, or the efficiency of the well is insufficient to extend the water expansion time.
    - (5) Others: mechanical failure, tool fall, insufficient material preparation, slow progress, delay in working hours, etc.
  4. The factors that affect the loss or failure of the well drilling project are quite complex, including: formation factors, equipment factors, environmental factors, climatic factors, technical factors, or other force majeure factors. Above information is for reference only.



## 4 PVC-U管規格 Specification of PVC-U Pipe

### (七) T.S. 放口管(單放)

#### Pipe With Solvent Cement Socket (Single Socket)



單位 Unit : mm

| 標稱管徑<br>Nominal Pipe Size |         | 平均內徑        |             | 放口頭長度 (l)<br>(min)<br>最小值 |
|---------------------------|---------|-------------|-------------|---------------------------|
|                           |         | d1(口部)      | d2(根部)      |                           |
| 13                        | 3/8"    | 18.40±0.20  | 17.53±0.20  | 26                        |
| 16                        | 1/2"    | 22.40±0.20  | 21.52±0.20  | 30                        |
| 20                        | 3/4"    | 26.45±0.20  | 25.42±0.20  | 35                        |
| 25                        | 1"W     | 32.55±0.25  | 31.37±0.25  | 40                        |
| 30                        | 1 1/4"W | 38.60±0.25  | 37.31±0.25  | 44                        |
| 40                        | 1 1/2"  | 48.70±0.30  | 47.21±0.30  | 55                        |
| 50                        | 2"      | 60.80±0.30  | 59.10±0.30  | 63                        |
| 65                        | 2 1/2"  | 76.80±0.30  | 75.12±0.30  | 64                        |
| 80                        | 3"      | 89.60±0.30  | 88.30±0.30  | 64                        |
| 100                       | 4"      | 114.70±0.30 | 113.20±0.30 | 84                        |
| 125                       | 5"      | 140.90±0.40 | 139.10±0.40 | 104                       |
| 150                       | 6"      | 166.00±0.50 | 163.90±0.50 | 132                       |
| 200                       | 8"      | 217.90±0.80 | 213.90±0.80 | 200                       |
| 250                       | 10"     | 269.30±0.90 | 264.30±0.90 | 250                       |
| 300                       | 12"     | 320.70±1.00 | 314.70±1.00 | 300                       |
| 350                       | 14"     | 373.10±1.00 | 366.10±1.00 | 350                       |
| 400                       | 16"     | 423.60±1.20 | 415.60±1.20 | 400                       |
| 450                       | 18"     | 474.00±1.20 | 465.00±1.20 | 450                       |
| 500                       | 20"     | 524.50±1.30 | 514.50±1.30 | 500                       |
| 600                       | 24"     | 635.30±2.10 | 623.30±2.10 | 600                       |

註 /NOTE :

1. VP(B 管) 適用標稱管徑 13 ~ 600, VU(A 管) 適用標稱管徑 40 ~ 700, W 管適用標稱管徑 13 ~ 600。
2. 管材長度可由買賣雙方協議。
3. 出廠時, 每支 TS 單放口管之雄管端均有畫上插入長度參考線, 主要係提供管材與管材接合時參考用, 若用於管材與接頭接合時, 因接頭承口長度較短, 容易出現參考線超出接頭承口長度之情形。
1. Nominal diameter 13~600 apply for VP(B Pipe) pipes, and 40~700 apply for VU(A Pipe) pipes, and 13~600 apply for W pipes.
2. Pipe length can be determined by the buyer and seller agreement.
3. At the time of delivery, the male pipe end of each T.S. single-socket pipe has a drawing length reference line, which is mainly used for reference when the pipe and the pipe are joined. If the T.S. single-socket pipe is used for jointing with the fitting, the reference line will exceeding the length of the fitting's socket.

## 5 PVC-DWV發泡管規格 Specifications of PVC-DWV foam core pipes

### (一)PVC-DWV發泡管規格 : (CNS 14589)

#### Specifications of PVC-DWV foam core pipes

單位 Unit : mm

| 標稱管徑<br>Nominal Pipe Size |       | 外徑<br>Outside Diameter                                                       | 厚度<br>Wall Thickness |                  | 近似內徑<br>(參考)<br>Approx. Inside Diameter | 質量<br>(參考)<br>Approx. Weight (kg/m) |
|---------------------------|-------|------------------------------------------------------------------------------|----------------------|------------------|-----------------------------------------|-------------------------------------|
|                           |       | 平均外徑之許可差 <sup>(a)</sup><br>Tolerance of mean outside Diameter <sup>(a)</sup> | 最小<br>Minimum        | 許可差<br>Tolerance |                                         |                                     |
| 40                        | 11/2" | 48±0.15                                                                      | 3.6                  | +0.8             | 40                                      | 0.631                               |
| 50                        | 2"    | 60±0.15                                                                      | 4.1                  | +0.8             | 51                                      | 0.897                               |
| 65                        | 2 ½"  | 76±0.18                                                                      | 4.5                  | +0.8             | 67                                      | 1.239                               |
| 80                        | 3"    | 89±0.20                                                                      | 5.4                  | +0.8             | 78                                      | 1.592                               |
| 100                       | 4"    | 114±0.23                                                                     | 6.6                  | +1.0             | 100                                     | 2.505                               |
| 125                       | 5"    | 140±0.25                                                                     | 7.0                  | +1.0             | 125                                     | 3.278                               |
| 150                       | 6"    | 165±0.28                                                                     | 8.0                  | +1.4             | 148                                     | 4.485                               |
| 200                       | 8"    | 216±0.38                                                                     | 9.0                  | +1.4             | 197                                     | 6.600                               |

註/ Note :

1. 外徑係指任意垂直兩方向之外徑算術平均值。
2. 質量之計算係以最小厚度加厚度許可差之1/2為計算厚度, 並以比重為1.0而計算者。
3. 下水道及一般建築污水用PVC-DWV發泡管之顏色為橘紅色。
4. 其他顏色屬訂製品, 價格、數量由雙方議定。
1. Outer diameter shall refer to the arithmetic mean value of any 2 given O.D. at the right angle to each other.
2. Approximate weight shall be estimated by adding the minimum thickness to 1/2 of the allowable thickness tolerance at the specific gravity of 1.0.
3. PVC-DWV foam core pipes for ground water works shall be of orange color.
4. PVC-DWV foam core pipes for regular applications or telephone network cables shall be of light gray color.
- PVC-DWV發泡管所使用之接頭與一般CNS規格之PVC射出接頭相同。
- PVC-DWV發泡管接合所使用之膠合劑與一般PVC管相同。
- PVC-DWV foam core pipes uses the same fittings with CNS PVC fittings.
- PVC-DWV foam core pipes will be connected with CNS PVC fittings by PVC rigid adhesive.



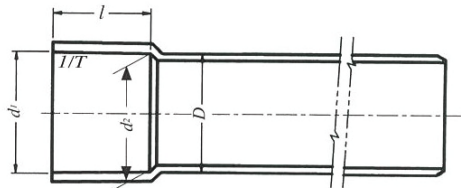
## 5

## PVC-DWV發泡管規格

Specifications of PVC-DWV foam core pipes

## (二) PVC-DWV發泡管TS放口規格：(CNS 14589)

Specification for PVC-DWV foam core pipes with TS Solvent Cement Socket



單位 Unit: mm

| 標稱管徑<br>Nominal Pipe Size | D        | d1         | 1/T  | l                                                     |
|---------------------------|----------|------------|------|-------------------------------------------------------|
| 40 1 1/2"                 | 48±0.15  | 48.7±0.30  | 1/37 | 55 $\begin{smallmatrix} +5 \\ -1 \end{smallmatrix}$   |
| 50 2"                     | 60±0.15  | 60.8±0.30  | 1/56 | 70 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$  |
| 65 2 1/2"                 | 76±0.18  | 76.8±0.30  | 1/60 | 90 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$  |
| 80 3"                     | 89±0.20  | 89.8±0.30  | 1/64 | 90 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$  |
| 100 4"                    | 114±0.23 | 115.0±0.35 | 1/68 | 130 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$ |
| 125 5"                    | 140±0.25 | 141.2±0.40 | 1/70 | 150 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$ |
| 150 6"                    | 165±0.28 | 166.4±0.45 | 1/72 | 170 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$ |
| 200 8"                    | 216±0.38 | 217.8±0.55 | 1/74 | 220 $\begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$ |

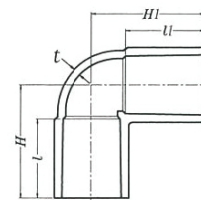
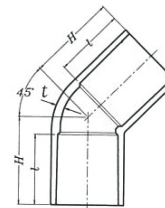
註/Note:

1.  $1/T = \frac{d1-d2}{l}$  (d2為底端之內徑 / d2 as the inner diameter of the bottom)

## 6

## 自來水用接頭規格

Specification of PVC-U Fittings for Water Supply



## 45° WL 型接頭 45° Elbow

單位: mm

| 規格 Size    | t    | l   | H   |
|------------|------|-----|-----|
| 16 1/2"    | 3.5  | 30  | 38  |
| 20 3/4"    | 3.5  | 35  | 44  |
| 25 1"W     | 4.0  | 40  | 51  |
| 30 1 1/4"W | 4.0  | 44  | 56  |
| 40 1 1/2"  | 4.5  | 55  | 69  |
| 50 2"      | 5.0  | 63  | 80  |
| 65 2 1/2"  | 6.6  | 61  | 83  |
| 80 3"      | 8.0  | 64  | 97  |
| 100 4"     | 10.0 | 84  | 122 |
| 125 5"     | 11.0 | 104 | 149 |
| 150 6"     | 13.0 | 132 | 184 |
| 200 8"     | 15.0 | 164 | 224 |

## 90° WL 型接頭 90° Elbow

單位: mm

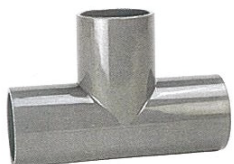
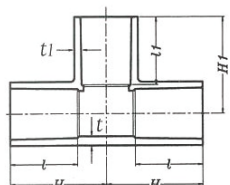
| 規格 Size    | t    | l   | H   |
|------------|------|-----|-----|
| 13 3/8"    | 3.0  | 26  | 36  |
| 16 1/2"    | 3.5  | 30  | 43  |
| 20 3/4"    | 3.5  | 35  | 50  |
| 25 1"W     | 4.0  | 40  | 58  |
| 30 1 1/4"W | 4.0  | 44  | 65  |
| 40 1 1/2"  | 4.5  | 55  | 82  |
| 50 2"      | 5.0  | 63  | 96  |
| 65 2 1/2"  | 6.6  | 61  | 110 |
| 80 3"      | 8.0  | 64  | 120 |
| 100 4"     | 10.0 | 84  | 153 |
| 125 5"     | 11.0 | 104 | 188 |
| 150 6"     | 13.0 | 132 | 230 |
| 200 8"     | 15.0 | 164 | 288 |



## 6

## 自來水用接頭規格

## Specification of PVC-U Fittings for Water Supply



WT 型同徑接頭 Tee

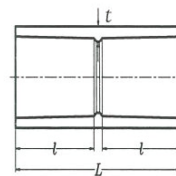
單位: mm

| 規格 Size    | t    | l   | l1  | H     | H1    |
|------------|------|-----|-----|-------|-------|
| 13 3/8"    | 3.0  | 26  | 26  | 36    | 36    |
| 16 1/2"    | 3.5  | 30  | 30  | 43    | 43    |
| 20 3/4"    | 3.5  | 35  | 35  | 50    | 50    |
| 25 1"W     | 4.0  | 40  | 40  | 58    | 58    |
| 30 1 1/4"W | 4.0  | 44  | 44  | 65    | 65    |
| 40 1 1/2"  | 4.5  | 55  | 55  | 82    | 82    |
| 50 2"      | 5.0  | 63  | 63  | 96    | 96    |
| 65 2 1/2"  | 6.6  | 61  | 61  | 110   | 110   |
| 80 3"      | 8.0  | 64  | 64  | 120   | 120   |
| 100 4"     | 10.0 | 84  | 84  | 152   | 152   |
| 125 5"     | 11.0 | 104 | 104 | 187   | 187   |
| 150 6"     | 13.0 | 132 | 132 | 230   | 230   |
| 200 8"     | 15.0 | 164 | 164 | 287.5 | 287.5 |

WT 型異徑接頭 Reducer Coupling

單位: mm

| 規格 Size             | t    | t1   | l     | l1    | H     | H1    |
|---------------------|------|------|-------|-------|-------|-------|
| 16x13 1/2"x3/8"     | 3.5  | 3.0  | 30.0  | 26.0  | 41.0  | 38.0  |
| 20x13 3/4"x3/8"     | 3.5  | 3.0  | 35.0  | 26.0  | 46.0  | 40.0  |
| 20x16 3/4"x1/2"     | 3.5  | 3.5  | 35.0  | 30.0  | 48.0  | 45.0  |
| 25x13 1"Wx3/8"      | 4.0  | 3.0  | 40.0  | 26.0  | 51.0  | 43.0  |
| 25x16 1"Wx1/2"      | 4.0  | 3.5  | 40.0  | 30.0  | 53.0  | 48.0  |
| 25x20 1"Wx3/4"      | 4.0  | 3.5  | 40.0  | 35.0  | 55.0  | 53.0  |
| 30x13 1 1/4"Wx3/8"  | 4.0  | 3.0  | 44.0  | 26.0  | 55.0  | 46.0  |
| 30x16 1 1/4"Wx1/2"  | 4.0  | 3.5  | 44.0  | 30.0  | 57.0  | 51.0  |
| 30x20 1 1/4"Wx3/4"  | 4.0  | 3.5  | 44.0  | 35.0  | 59.0  | 56.0  |
| 30x25 1 1/4"Wx1"    | 4.0  | 3.5  | 44.0  | 40.0  | 62.0  | 61.0  |
| 40x13 1 1/2"x3/8"   | 4.5  | 3.0  | 55.0  | 26.0  | 66.0  | 52.0  |
| 40x16 1 1/2"x1/2"   | 4.5  | 3.5  | 55.0  | 30.0  | 68.0  | 57.0  |
| 40x20 1 1/2"x3/4"   | 4.5  | 3.5  | 55.0  | 35.0  | 70.0  | 62.0  |
| 40x25 1 1/2"x1"     | 4.5  | 3.5  | 55.0  | 40.0  | 73.0  | 67.0  |
| 40x30 1 1/2"x1 1/4" | 4.5  | 4.0  | 55.0  | 44.0  | 76.0  | 71.0  |
| 50x13 2"x3/8"       | 5.0  | 3.0  | 63.0  | 26.0  | 74.0  | 58.0  |
| 50x16 2"x1/2"       | 5.0  | 3.5  | 63.0  | 30.0  | 76.0  | 63.0  |
| 50x20 2"x3/4"       | 5.0  | 3.5  | 63.0  | 35.0  | 78.0  | 68.0  |
| 50x25 2"x1"         | 5.0  | 4.0  | 63.0  | 40.0  | 81.0  | 73.0  |
| 50x30 2"x1 1/4"     | 5.0  | 4.0  | 63.0  | 44.0  | 84.0  | 77.0  |
| 50x40 2"x1 1/2"     | 5.0  | 4.5  | 63.0  | 55.0  | 90.0  | 85.0  |
| 65x40 2 1/2"x1 1/2" | 6.6  | 4.5  | 61.0  | 55.0  | 100.0 | 96.0  |
| 65x50 2 1/2"x2"     | 6.6  | 5.0  | 61.0  | 63.0  | 101.0 | 104.0 |
| 80x25 3"x1"         | 8.0  | 4.0  | 64.0  | 40.0  | 93.0  | 88.0  |
| 80x40 3"x1 1/2"     | 8.0  | 4.5  | 64.0  | 55.0  | 100.0 | 102.0 |
| 80x50 3"x2"         | 8.0  | 5.0  | 64.0  | 63.0  | 105.0 | 110.0 |
| 80x65 3"x2 1/2"     | 8.0  | 6.6  | 64.0  | 61.0  | 113.0 | 117.0 |
| 100x50 4"x2"        | 10.0 | 5.0  | 84.0  | 63.0  | 125.0 | 122.0 |
| 100x80 4"x3"        | 10.0 | 8.0  | 84.0  | 64.0  | 140.0 | 132.0 |
| 125x80 5"x3"        | 11.0 | 8.0  | 104.0 | 64.0  | 160.0 | 147.0 |
| 125x100 5"x4"       | 11.0 | 10.0 | 104.0 | 84.0  | 173.0 | 167.0 |
| 150x80 6"x3"        | 13.0 | 8.0  | 132.0 | 64.0  | 195.0 | 158.0 |
| 150x100 6"x4"       | 13.0 | 10.0 | 132.0 | 84.0  | 208.0 | 182.0 |
| 150x125 6"x5"       | 13.0 | 11.0 | 132.0 | 104.0 | 217.0 | 201.0 |
| 200x100 8"x4"       | 15.0 | 10.0 | 164.0 | 84.0  | 236.5 | 204.0 |
| 200x150 8"x6"       | 15.0 | 13.0 | 164.0 | 132.0 | 264.0 | 252.0 |



WS 型同徑接頭 Coupling

單位: mm

| 規格 Size    | t    | l   | L   |
|------------|------|-----|-----|
| 13 3/8"    | 3.0  | 26  | 57  |
| 16 1/2"    | 3.5  | 30  | 67  |
| 20 3/4"    | 3.5  | 35  | 77  |
| 25 1"W     | 4.0  | 40  | 87  |
| 30 1 1/4"W | 4.0  | 44  | 95  |
| 40 1 1/2"  | 4.5  | 55  | 117 |
| 50 2"      | 5.0  | 63  | 133 |
| 65 2 1/2"  | 6.6  | 61  | 145 |
| 80 3"      | 8.0  | 64  | 155 |
| 100 4"     | 10.0 | 84  | 200 |
| 125 5"     | 11.0 | 104 | 240 |
| 150 6"     | 13.0 | 132 | 300 |
| 200 8"     | 15.0 | 164 | 360 |

WS 型異徑接頭 Reducer Coupling

單位: mm

| 規格 Size             | t    | t1   | l   | l1  | L   |
|---------------------|------|------|-----|-----|-----|
| 16x13 1/2"x3/8"     | 3.5  | 3.0  | 30  | 26  | 61  |
| 20x13 3/4"x3/8"     | 3.5  | 3.0  | 35  | 26  | 68  |
| 20x16 3/4"x1/2"     | 3.5  | 3.5  | 35  | 30  | 71  |
| 25x13 1"Wx3/8"      | 4.0  | 3.0  | 40  | 26  | 86  |
| 25x16 1"Wx1/2"      | 4.0  | 3.5  | 40  | 30  | 85  |
| 25x20 1"Wx3/4"      | 4.0  | 3.5  | 40  | 35  | 84  |
| 30x16 1 1/4"Wx1/2"  | 4.0  | 3.5  | 44  | 30  | 95  |
| 30x20 1 1/4"Wx3/4"  | 4.0  | 3.5  | 44  | 35  | 93  |
| 30x25 1 1/4"Wx1"    | 4.0  | 4.0  | 44  | 40  | 93  |
| 40x20 1 1/2"x3/4"   | 4.5  | 3.5  | 55  | 35  | 113 |
| 40x25 1 1/2"x1"     | 4.5  | 4.0  | 55  | 40  | 114 |
| 40x30 1 1/2"x1 1/4" | 4.5  | 4.0  | 55  | 44  | 114 |
| 50x20 2"x3/4"       | 5.0  | 3.5  | 63  | 35  | 116 |
| 50x25 2"x1"         | 5.0  | 4.0  | 63  | 40  | 140 |
| 50x30 2"x1 1/4"     | 5.0  | 4.0  | 63  | 44  | 136 |
| 50x40 2"x1 1/2"     | 5.0  | 4.5  | 63  | 55  | 136 |
| 65x40 2 1/2"x1 1/2" | 6.6  | 4.5  | 61  | 55  | 145 |
| 65x50 2 1/2"x2"     | 6.6  | 5.0  | 61  | 63  | 149 |
| 80x40 3"x1 1/2"     | 8.0  | 4.5  | 64  | 55  | 153 |
| 80x50 3"x2"         | 8.0  | 5.0  | 64  | 63  | 165 |
| 80x65 3"x2 1/2"     | 8.0  | 6.6  | 64  | 61  | 159 |
| 100x80 4"x3"        | 10.0 | 8.0  | 84  | 64  | 190 |
| 125x100 5"x4"       | 11.0 | 10.0 | 104 | 84  | 229 |
| 150x100 6"x4"       | 13.0 | 10.0 | 132 | 84  | 295 |
| 150x125 6"x5"       | 13.0 | 11.0 | 132 | 104 | 272 |
| 200x100 8"x4"       | 15.0 | 10.0 | 164 | 84  | 340 |
| 200x125 8"x5"       | 15.0 | 11.0 | 164 | 104 | 345 |
| 200x150 8"x6"       | 15.0 | 13.0 | 164 | 132 | 350 |

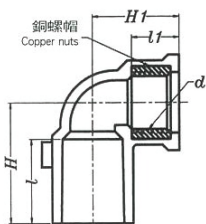




# 6

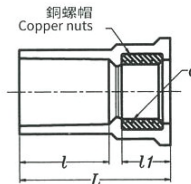
## 自來水用接頭規格

### Specification of PVC-U Fittings for Water Supply



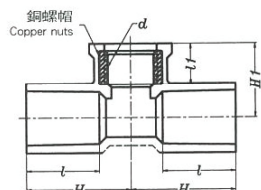
龍 L 入銅接頭 Faucet Fitting — 90° Elbow 單位: mm

| 規格 Size | l    | H  | 螺牙THREAD |    | H1 |
|---------|------|----|----------|----|----|
|         |      |    | d        | l1 |    |
| 16      | 1/2" | 30 | PF1/2"   | 17 | 32 |
| 20      | 3/4" | 35 | PF3/4"   | 19 | 36 |



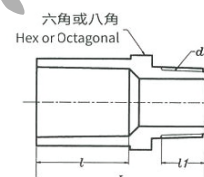
龍 S 入銅接頭 Faucet Fitting — Female Adapter 單位: mm

| 規格 Size | l    | 螺牙THREAD |    | L  |
|---------|------|----------|----|----|
|         |      | d        | l1 |    |
| 16      | 1/2" | PF1/2"   | 17 | 52 |
| 20      | 3/4" | PF3/4"   | 19 | 59 |



龍 T 入銅接頭 Faucet Fitting — Fixture TEE 單位: mm

| 規格 Size | l    | H  | 螺牙THREAD |    | H1 |
|---------|------|----|----------|----|----|
|         |      |    | d        | l1 |    |
| 16      | 1/2" | 30 | PF1/2"   | 17 | 32 |
| 20      | 3/4" | 35 | PF3/4"   | 19 | 36 |



止閥接頭(塑膠牙)

Male Adapter (Plastic Thread)

單位: mm

| 規格 Size | l       | 螺牙THREAD |    | L   |
|---------|---------|----------|----|-----|
|         |         | d        | l1 |     |
| 13      | 3/8"    | PT1/2"   | 15 | 50  |
| 16      | 1/2"    | PT1/2"   | 15 | 54  |
| 20      | 3/4"    | PT3/4"   | 17 | 64  |
| 25      | 1"W     | PT1"     | 19 | 71  |
| 30      | 1 1/4"W | PT1 1/4" | 22 | 80  |
| 40      | 1 1/2"  | PT1 1/2" | 22 | 92  |
| 50      | 2"      | PT2"     | 26 | 106 |

註/Note:

五樓以上之建築物, 其水龍頭接頭請全部使用入銅製品。

For buildings above fifth floor, please use insert bronze nut for all faucet fittings.

註/Note:

五樓以上之建築物, 其水龍頭接頭請全部使用入銅製品。

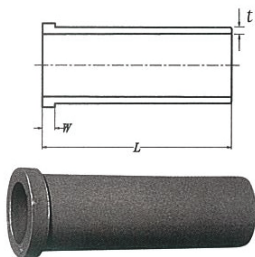
For buildings above fifth floor, please use insert bronze nut for all faucet fittings.



# 6

## 自來水用接頭規格

### Specification of PVC-U Fittings for Water Supply



由令 Union

單位: mm

| 規格 Size    | t   | W | L   |
|------------|-----|---|-----|
| 16 1/2"    | 3.0 | 5 | 85  |
| 20 3/4"    | 3.0 | 6 | 90  |
| 25 1"W     | 3.5 | 7 | 100 |
| 30 1 1/4"W | 3.5 | 8 | 110 |
| 40 1 1/2"  | 4.0 | 8 | 120 |
| 50 2"      | 4.5 | 9 | 130 |

塞頭 Cap

單位: mm

| 規格 Size    | t    | l   | L    |
|------------|------|-----|------|
| 13 3/8"    | 3.0  | 26  | 29   |
| 16 1/2"    | 3.5  | 30  | 33.5 |
| 20 3/4"    | 3.5  | 35  | 38.5 |
| 25 1"W     | 4.0  | 40  | 44   |
| 30 1 1/4"W | 4.0  | 44  | 48   |
| 40 1 1/2"  | 4.5  | 55  | 59.5 |
| 50 2"      | 5.0  | 63  | 68   |
| 65 2 1/2"  | 6.6  | 61  | 96   |
| 80 3"      | 8.0  | 64  | 105  |
| 100 4"     | 10.0 | 84  | 138  |
| 125 5"     | 11.0 | 104 | 160  |
| 150 6"     | 13.0 | 132 | 205  |
| 200 8"     | 15.0 | 164 | 257  |

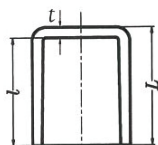


圖1 FIG.1

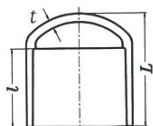
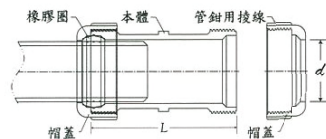


圖2 FIG.2



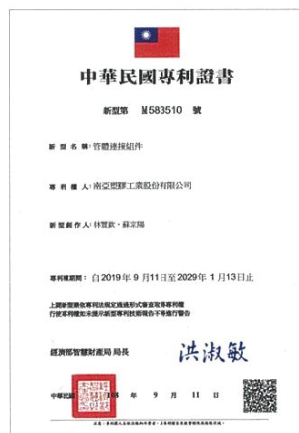
伸縮接頭 Compression Fitting

#### 特性 Characteristics:

1. 施工簡便、容易裝卸、施工不受天候影響、施工後可立即通水、耐水壓强度高、具有伸縮效果。
2. 適用於埋設地下管線、若用於地上配管時、伸縮接頭需予以固定住、防止滑動。
1. Compression fitting, which is easy for construction and loading without weather impact, features superb compression and water pressure resistance.
2. Compression fitting, not only used for underground pipeline but also suitable for above-ground pipeline, needs to be fixed tightly to avoid sliding.

#### 用途 Applications:

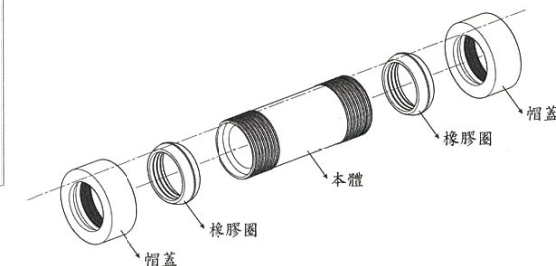
1. 適用於中小口徑壓力管線。
2. 可吸收直線配管因熱脹冷縮所產生的伸縮量。
3. 作為管線破裂後之緊急快速搶修接頭。
1. Applicable to high pressure pipeline (for small and medium size of compression fittings use).
2. Able to absorb piping's expansion resulted from thermal expansion and contraction.
3. Suitable for fixing damaged compression fittings of cracked pipeline.



| 規格 Size   | 內徑 d 及許可差 Inside Diameter and Tolerance | 本體長度 L |
|-----------|-----------------------------------------|--------|
| 16 1/2"   | 22.8 ± 0.3                              | 90     |
| 20 3/4"   | 26.8 ± 0.3                              | 90     |
| 50 2"     | 61.5 ± 0.5                              | 144    |
| 65 2 1/2" | 77.5 ± 0.5                              | 183    |
| 80 3"     | 90.8 ± 0.5                              | 223    |
| 100 4"    | 116.0 ± 0.6                             | 251    |

#### 註/Remark:

1. 橡膠圈材質依CNS 10774之類A5之規定。
1. The rubber ring material is in accordance with the A5 of Class I in CNS 10774.

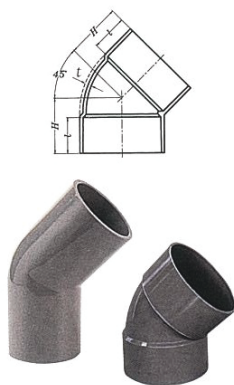




## 7

## 灰色一般用接頭規格(厚、薄)

Specification of gray fitting (thick and thin)



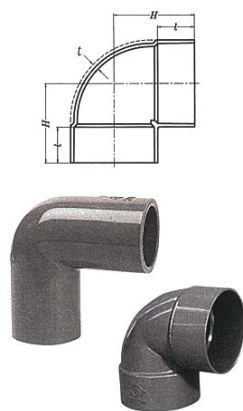
45° L 型接頭 45° Elbow

單位: mm

| 規格<br>Size | 厚接頭(45° OL) Thick |     |     | 薄接頭(45° 排L) Thin |     |      |
|------------|-------------------|-----|-----|------------------|-----|------|
|            | t                 | l   | H   | t                | l   | H    |
| 16 1/2"    | 3.5               | 30  | 38  |                  |     |      |
| 20 3/4"    | 3.5               | 35  | 44  |                  |     |      |
| 25 1"W     | 4.0               | 40  | 51  |                  |     |      |
| 30 1 1/4"W | 4.0               | 44  | 56  |                  |     |      |
| 40 1 1/2"  | 4.5               | 55  | 69  | 2.0              | 22  | 34   |
| 50 2"      | 5.0               | 63  | 80  | 2.0              | 25  | 40   |
| 65 2 1/2"  | 5.0               | 69  | 90  | 2.5              | 35  | 53   |
| 80 3"      | 6.0               | 72  | 95  | 3.0              | 40  | 63   |
| 90 3 1/2"  | 6.5               | 80  | 105 | 3.0              | 50  | 73.5 |
| 100 4"     | 7.5               | 92  | 121 | 3.5              | 50  | 78   |
| 125 5"     | 8.0               | 112 | 150 | 3.5              | 65  | 100  |
| 150 6"     | 9.0               | 140 | 186 | 4.0              | 80  | 120  |
| 200 8"     | 10.5              | 172 | 224 | 7.5              | 100 | 155  |
| 250 10"    | 13.0              | 185 | 248 | 8.5              | 130 | 191  |
| 300 12"    |                   |     |     | 10.0             | 150 | 223  |

註: 紅色字體為自來水用接頭規格, 亦可用於灰色一般管路配管。

Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.



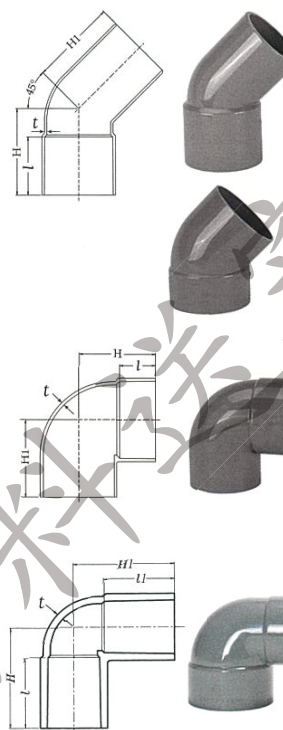
90° L 型接頭 90° Elbow

單位: mm

| 規格<br>Size | 厚接頭(90° OL) Thick |     |     | 薄接頭(90° 排L) Thin |     |     |
|------------|-------------------|-----|-----|------------------|-----|-----|
|            | t                 | l   | H   | t                | l   | H   |
| 13 3/8"    | 3.0               | 26  | 36  |                  |     |     |
| 16 1/2"    | 3.5               | 30  | 43  |                  |     |     |
| 20 3/4"    | 3.5               | 35  | 50  |                  |     |     |
| 25 1"W     | 4.0               | 40  | 58  |                  |     |     |
| 30 1 1/4"W | 4.0               | 44  | 65  |                  |     |     |
| 40 1 1/2"  | 4.5               | 55  | 82  | 2.0              | 22  | 48  |
| 50 2"      | 5.0               | 63  | 96  | 2.0              | 25  | 58  |
| 65 2 1/2"  | 5.0               | 69  | 110 | 3.0              | 35  | 77  |
| 80 3"      | 6.0               | 72  | 120 | 3.0              | 40  | 88  |
| 90 3 1/2"  | 6.5               | 80  | 135 | 3.0              | 50  | 102 |
| 100 4"     | 7.5               | 92  | 152 | 3.5              | 50  | 112 |
| 125 5"     | 8.0               | 112 | 188 | 3.5              | 65  | 140 |
| 150 6"     | 9.0               | 140 | 228 | 4.0              | 80  | 168 |
| 200 8"     | 10.5              | 172 | 288 | 7.5              | 100 | 215 |
| 250 10"    | 13.0              | 185 | 326 | 8.5              | 130 | 269 |
| 300 12"    |                   |     |     | 10.0             | 150 | 316 |

註: 紅色字體為自來水用接頭規格, 亦可用於灰色一般管路配管。

Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.



45° L 型單放口接頭 45° Elbow with Spigot End

單位: mm

| 規格<br>Size | 厚接頭(45° OL) Thick |     |     | 薄接頭(45° 排L) Thin |    |      |
|------------|-------------------|-----|-----|------------------|----|------|
|            | t                 | l   | H   | t                | l  | H    |
| 40 1 1/2"  | 4.5               | 55  | 69  | 2.0              | 22 | 47.5 |
| 50 2"      | 4.0               | 63  | 85  | 2.0              | 25 | 57   |
| 65 2 1/2"  |                   |     |     | 2.5              | 35 | 75   |
| 80 3"      | 5.5               | 72  | 95  | 2.5              | 40 | 86.5 |
| 90 3 1/2"  |                   |     |     | 2.5              | 50 | 102  |
| 100 4"     | 7.0               | 92  | 121 | 3.5              | 50 | 110  |
| 125 5"     | 7.5               | 112 | 148 |                  |    |      |
| 150 6"     | 8.5               | 140 | 180 |                  |    |      |

90° L 型單放口接頭 90° Elbow with Spigot End

單位: mm

| 規格<br>Size | 厚接頭(90° OL) Thick |    |     | 薄接頭(90° 排L) Thin |    |      |
|------------|-------------------|----|-----|------------------|----|------|
|            | t                 | l  | H   | t                | l  | H    |
| 40 1 1/2"  | 4.5               | 55 | 82  | 2.0              | 22 | 47.5 |
| 50 2"      | 4.0               | 63 | 96  | 2.0              | 25 | 57   |
| 65 2 1/2"  |                   |    |     | 2.5              | 35 | 76.5 |
| 80 3"      |                   |    |     | 2.5              | 40 | 86.5 |
| 90 3 1/2"  |                   |    |     | 2.5              | 50 | 102  |
| 100 4"     | 7.0               | 92 | 152 | 3.5              | 50 | 110  |

90° L 型異徑接頭 90° Reducer Elbow

單位: mm

| 規格<br>Size      | 厚接頭(90° OL) Thick |    |    | 薄接頭(90° 排L) Thin |      |    |
|-----------------|-------------------|----|----|------------------|------|----|
|                 | t                 | l  | H  | t                | l    | H  |
| 20x16 3/4"x1/2" | 3.5               | 35 | 30 | 48               | 44.5 |    |
| 25x16 1"Wx1/2"  | 4                 | 40 | 30 | 53               | 48.5 |    |
| 25x20 1"Wx3/4"  | 4                 | 40 | 35 | 55               | 53.5 |    |
| 65x50 2 1/2"x2" |                   |    |    | 3.0              | 35   | 25 |

T型同徑接頭 Tee

單位: mm

| 規格<br>Size | 厚接頭(OT) Thick |     |     | 薄接頭(排T) Thin |       |     |
|------------|---------------|-----|-----|--------------|-------|-----|
|            | t             | l   | H   | t            | l     | H   |
| 13 3/8"    | 3.0           | 26  | 26  | 36           | 36    |     |
| 16 1/2"    | 3.5           | 30  | 30  | 43           | 43    |     |
| 20 3/4"    | 3.5           | 35  | 35  | 50           | 50    |     |
| 25 1"W     | 4.0           | 40  | 40  | 58           | 58    |     |
| 30 1 1/4"W | 4.0           | 44  | 44  | 65           | 65    |     |
| 40 1 1/2"  | 4.5           | 55  | 55  | 82           | 82    | 2.0 |
| 50 2"      | 5.0           | 63  | 63  | 96           | 96    | 2.0 |
| 65 2 1/2"  | 6.6           | 61  | 61  | 110          | 110   | 2.5 |
| 80 3"      | 8.0           | 64  | 64  | 120          | 120   | 3.0 |
| 90 3 1/2"  | 6.5           | 80  | 80  | 135          | 135   | 3.0 |
| 100 4"     | 10.0          | 84  | 84  | 152          | 152   | 3.5 |
| 125 5"     | 8.0           | 112 | 112 | 188          | 188   | 3.5 |
| 150 6"     | 9.0           | 140 | 140 | 228          | 228   | 4.0 |
| 200 8"     | 10.5          | 172 | 172 | 287.5        | 287.5 | 7.5 |
| 250 10"    | 13.0          | 185 | 185 | 325          | 325   | 8.5 |
| 300 12"    |               |     |     | 10.0         | 150   | 150 |

註: 紅色字體為自來水用接頭規格, 亦可用於灰色一般管路配管。

Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.

註/Note:

厚規格製品亦可依上列圖示之虛線製造。

Thick product of fitting can also be manufactured according to the dotted line of above diagram.



## 7

## 灰色一般用接頭規格(厚、薄)

## Specification of gray fitting (thick and thin)



## T型異徑接頭 Reducer Tee

單位: mm

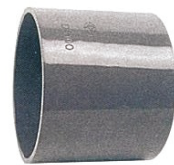
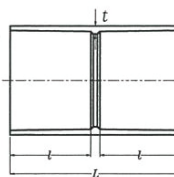
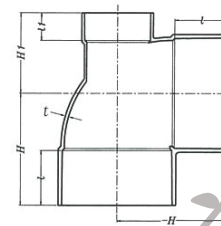
| 規格 Size              | 厚接頭(OT) Thick |     |     |     |       |     |     | 薄接頭(排T) Thin |       |      |       |     |    |  |
|----------------------|---------------|-----|-----|-----|-------|-----|-----|--------------|-------|------|-------|-----|----|--|
|                      | t             | t1  | l   | l1  | H     | H1  |     | t            | t1    | l    | l1    | H   | H1 |  |
| 16x13 1/2"x3/8"      | 3.5           | 3.0 | 30  | 26  | 41    | 38  |     |              |       |      |       |     |    |  |
| 20x13 3/4"x3/8"      | 3.5           | 3.0 | 35  | 26  | 46    | 40  |     |              |       |      |       |     |    |  |
| 20x16 3/4"x1/2"      | 3.5           | 3.5 | 35  | 30  | 48    | 45  |     |              |       |      |       |     |    |  |
| 25x13 1"Wx3/8"       | 4.0           | 3.0 | 40  | 26  | 51    | 43  |     |              |       |      |       |     |    |  |
| 25x16 1"Wx1/2"       | 4.0           | 3.5 | 40  | 30  | 53    | 48  |     |              |       |      |       |     |    |  |
| 25x20 1"Wx3/4"       | 4.0           | 3.5 | 40  | 35  | 55    | 53  |     |              |       |      |       |     |    |  |
| 30x13 1 1/4"Wx3/8"   | 4.0           | 3.0 | 44  | 26  | 55    | 46  |     |              |       |      |       |     |    |  |
| 30x16 1 1/4"Wx1/2"   | 4.0           | 3.5 | 44  | 30  | 57    | 51  |     |              |       |      |       |     |    |  |
| 30x20 1 1/4"Wx3/4"   | 4.0           | 3.5 | 44  | 35  | 59    | 56  |     |              |       |      |       |     |    |  |
| 30x25 1 1/4"Wx1"W    | 4.0           | 3.5 | 44  | 40  | 62    | 61  |     |              |       |      |       |     |    |  |
| 40x13 1 1/2"x3/8"    | 4.5           | 3.0 | 55  | 26  | 66    | 52  |     |              |       |      |       |     |    |  |
| 40x16 1 1/2"x1/2"    | 4.5           | 3.5 | 55  | 30  | 68    | 57  |     |              |       |      |       |     |    |  |
| 40x20 1 1/2"x3/4"    | 4.5           | 3.5 | 55  | 35  | 70    | 62  |     |              |       |      |       |     |    |  |
| 40x25 1 1/2"x1"W     | 4.5           | 3.5 | 55  | 40  | 73    | 67  |     |              |       |      |       |     |    |  |
| 40x30 1 1/2"x1 1/4"W | 4.5           | 4.0 | 55  | 44  | 76    | 71  |     |              |       |      |       |     |    |  |
| 50x13 2"x3/8"        | 5.0           | 3.0 | 63  | 26  | 74    | 58  |     |              |       |      |       |     |    |  |
| 50x16 2"x1/2"        | 5.0           | 3.5 | 63  | 30  | 76    | 63  |     |              |       |      |       |     |    |  |
| 50x20 2"x3/4"        | 5.0           | 3.5 | 63  | 35  | 78    | 68  | 2.0 | 2.0          | 25.0  | 20.0 | 45    | 51  |    |  |
| 50x25 2"x1"W         | 5.0           | 4.0 | 63  | 40  | 81    | 73  |     |              |       |      |       |     |    |  |
| 50x30 2"x1 1/4"W     | 5.0           | 4.0 | 63  | 44  | 84    | 77  |     |              |       |      |       |     |    |  |
| 50x40 2"x1 1/2"      | 5.0           | 4.5 | 63  | 55  | 90    | 88  | 2.0 | 2.0          | 25.0  | 22.0 | 52    | 55  |    |  |
| 65x20 2 1/2"x3/4"    | 5.0           | 3.5 | 69  | 35  | 84    | 74  | 2.5 | 2.0          | 35.0  | 20.0 | 57.5  | 59  |    |  |
| 65x25 2 1/2"x1"W     | 5.0           | 3.5 | 61  | 40  | 82    | 82  |     |              |       |      |       |     |    |  |
| 65x40 2 1/2"x1 1/2"  | 6.6           | 4.5 | 61  | 55  | 100   | 96  | 3.0 | 2.0          | 35.0  | 22.0 | 63    | 62  |    |  |
| 65x50 2 1/2"x2"      | 6.6           | 5.0 | 61  | 63  | 101   | 104 | 2.5 | 2.0          | 35.0  | 25.0 | 68    | 65  |    |  |
| 80x20 3"x3/4"        | 6.0           | 3.5 | 72  | 35  | 90    | 82  |     |              |       |      |       |     |    |  |
| 80x25 3"x1"W         | 8.0           | 4.0 | 64  | 40  | 93    | 88  |     |              |       |      |       |     |    |  |
| 80x40 3"x1 1/2"      | 8.0           | 4.5 | 64  | 55  | 100   | 102 | 3.0 | 2.0          | 40.0  | 22.0 | 67    | 70  |    |  |
| 80x50 3"x2"          | 6.0           | 4.5 | 72  | 63  | 105   | 115 | 3.0 | 2.0          | 40.0  | 25.0 | 73    | 73  |    |  |
| 80x65 3"x2 1/2"      | 6.0           | 5.0 | 72  | 69  | 113   | 117 |     |              |       |      |       |     |    |  |
| 90x40 3 1/2"x1 1/2"  |               |     |     |     |       |     | 3.0 | 2.0          | 50.0  | 22.0 | 78    | 74  |    |  |
| 90x50 3 1/2"x2"      |               |     |     |     |       |     | 3.0 | 2.0          | 50.0  | 25.0 | 84    | 77  |    |  |
| 90x65 3 1/2"x2 1/2"  |               |     |     |     |       |     | 3.0 | 3.0          | 50.0  | 35.0 | 91    | 88  |    |  |
| 100x40 4"x1 1/2"     | 7.5           | 4.0 | 92  | 55  | 120   | 115 | 3.5 | 2.0          | 50.0  | 22.0 | 76    | 83  |    |  |
| 100x50 4"x2"         | 7.5           | 4.5 | 92  | 63  | 125   | 122 | 3.5 | 2.0          | 50.0  | 25.0 | 85.5  | 85  |    |  |
| 100x65 4"x2 1/2"     |               |     |     |     |       |     | 3.5 | 3.0          | 50.0  | 35.0 | 92    | 96  |    |  |
| 100x80 4"x3"         | 7.5           | 6.0 | 92  | 72  | 140   | 132 | 3.5 | 3.0          | 50.0  | 40.0 | 98    | 101 |    |  |
| 125x65 5"x2 1/2"     |               |     |     |     |       |     | 3.5 | 3.0          | 65.0  | 35.0 | 107   | 110 |    |  |
| 125x80 5"x3"         | 8.0           | 6.0 | 112 | 72  | 160   | 148 | 3.5 | 3.0          | 65.0  | 40.0 | 113   | 115 |    |  |
| 125x100 5"x4"        | 8.0           | 7.5 | 112 | 92  | 174   | 168 | 3.5 | 3.5          | 65.0  | 50.0 | 127.5 | 125 |    |  |
| 150x65 6"x2 1/2"     |               |     |     |     |       |     | 4.0 | 3.0          | 80.0  | 35.0 | 122   | 121 |    |  |
| 150x80 6"x3"         | 9.0           | 6.0 | 140 | 72  | 190   | 155 | 4.0 | 3.0          | 80.0  | 40.0 | 127   | 126 |    |  |
| 150x100 6"x4"        | 9.0           | 7.5 | 140 | 92  | 202   | 182 | 4.0 | 3.5          | 80.0  | 50.0 | 142   | 137 |    |  |
| 150x125 6"x5"        | 9.0           | 8.0 | 140 | 112 | 214.5 | 200 |     |              |       |      |       |     |    |  |
| 200x100 8"x4"        | 10.5          | 7.5 | 172 | 92  | 236.5 | 204 | 7.5 | 3.5          | 100.0 | 50.0 | 165   | 165 |    |  |
| 200x150 8"x6"        | 10.5          | 9.0 | 172 | 140 | 264   | 252 | 7.5 | 4.0          | 100.0 | 80.0 | 185   | 195 |    |  |

註: 1.紅色字體為自來水用接頭規格, 亦可用於灰色一般管路配管。

2. 厚規格製品亦可依上列圖示之虛線製造。

Note: 1.The red font refers the specification of tap water fitting which can also be used for gray piping project.

2.Thick product of fitting can also be manufactured according to the dotted line of above diagram.



## 排氣 T 型排水接頭 Vent Tee

單位: mm

| 規格 Size             | t   | t1  | l  | l1 | H   | H1 |
|---------------------|-----|-----|----|----|-----|----|
| 90x40 3 1/2"x1 1/2" | 3.0 | 2.0 | 50 | 22 | 102 | 70 |
| 90x50 3 1/2"x2"     | 3.0 | 2.0 | 50 | 25 | 102 | 73 |
| 100x50 4"x2"        | 3.5 | 2.0 | 50 | 25 | 110 | 80 |

## S型同徑接頭 Coupling

單位: mm

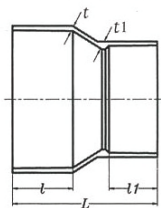
| 規格 Size    | 厚接頭(OS) Thick |     |     | 薄接頭(排S) Thin |     |     |
|------------|---------------|-----|-----|--------------|-----|-----|
|            | t             | l   | L   | t            | l   | L   |
| 13 3/8"    | 3.0           | 26  | 57  |              |     |     |
| 16 1/2"    | 3.5           | 30  | 67  |              |     |     |
| 20 3/4"    | 3.5           | 35  | 77  |              |     |     |
| 25 1"W     | 4.0           | 40  | 87  |              |     |     |
| 30 1 1/4"W | 4.0           | 44  | 95  |              |     |     |
| 40 1 1/2"  | 4.5           | 55  | 117 | 2.0          | 22  | 47  |
| 50 2"      | 5.0           | 63  | 133 | 2.0          | 25  | 53  |
| 65 2 1/2"  | 6.6           | 61  | 145 | 2.5          | 35  | 73  |
| 80 3"      | 6.0           | 72  | 152 | 3.0          | 40  | 84  |
| 90 3 1/2"  | 6.5           | 80  | 166 | 3.0          | 50  | 104 |
| 100 4"     | 7.5           | 92  | 200 | 3.5          | 50  | 104 |
| 125 5"     | 8.0           | 112 | 235 | 3.5          | 65  | 134 |
| 150 6"     | 9.0           | 140 | 300 | 4.0          | 80  | 164 |
| 200 8"     | 10.5          | 172 | 360 | 7.5          | 100 | 205 |
| 250 10"    | 13.0          | 185 | 400 | 8.5          | 130 | 270 |

註: 紅色字體為自來水用接頭規格, 亦可用於灰色一般管路配管。

Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.



## 7 灰色一般用接頭規格(厚、薄) Specification of gray fitting (thick and thin)



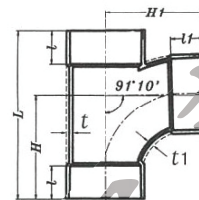
S型異徑接頭 Reducer Coupling

單位: mm

| 規格 Size              | 厚接頭(OS) Thick |      |     |     |     | 薄接頭(排S) Thin |     |     |     |     |
|----------------------|---------------|------|-----|-----|-----|--------------|-----|-----|-----|-----|
|                      | t             | t1   | l   | l1  | L   | t            | t1  | l   | l1  | L   |
| 16x13 1/2"x3/8"      | 3.5           | 3.0  | 30  | 26  | 61  |              |     |     |     |     |
| 20x13 3/4"x3/8"      | 3.5           | 3.0  | 35  | 26  | 68  |              |     |     |     |     |
| 20x16 3/4"x1/2"      | 3.5           | 3.5  | 35  | 30  | 71  |              |     |     |     |     |
| 25x16 1"Wx1/2"       | 4.0           | 3.5  | 40  | 30  | 85  |              |     |     |     |     |
| 25x20 1"Wx3/4"       | 4.0           | 3.5  | 40  | 35  | 84  |              |     |     |     |     |
| 28x25 1"x1W"         | 4.0           | 4.0  | 40  | 40  | 90  |              |     |     |     |     |
| 30x16 1/4"Wx1/2"     | 4.0           | 3.5  | 44  | 30  | 95  |              |     |     |     |     |
| 30x20 1/4"Wx3/4"     | 4.0           | 3.5  | 44  | 35  | 93  |              |     |     |     |     |
| 30x25 1/4"Wx1"W      | 4.0           | 4.0  | 44  | 40  | 93  |              |     |     |     |     |
| 35x30 1/4"x1 1/4"W   | 4.0           | 4.0  | 44  | 44  | 100 |              |     |     |     |     |
| 40x16 1 1/2"x1/2"    | 4.5           | 3.5  | 55  | 30  | 114 |              |     |     |     |     |
| 40x20 1 1/2"x3/4"    | 4.5           | 3.5  | 55  | 35  | 113 |              |     |     |     |     |
| 40x25 1 1/2"x1"W     | 4.5           | 4.0  | 55  | 40  | 114 |              |     |     |     |     |
| 40x30 1 1/2"x1 1/4"W | 4.5           | 4.0  | 55  | 44  | 114 |              |     |     |     |     |
| 50x16 2"x1/2"        | 5.0           | 3.5  | 63  | 30  | 120 |              |     |     |     |     |
| 50x20 2"x3/4"        | 5.0           | 3.5  | 63  | 35  | 116 |              |     |     |     |     |
| 50x25 2"x1"W         | 5.0           | 4.0  | 63  | 40  | 140 |              |     |     |     |     |
| 50x30 2"x1 1/4"W     | 5.0           | 4.0  | 63  | 44  | 136 |              |     |     |     |     |
| 50x40 2"x1 1/2"      | 5.0           | 4.5  | 63  | 55  | 136 | 2.0          | 2.0 | 25  | 22  | 67  |
| 65x40 2 1/2"x1 1/2"  | 5.0           | 4.0  | 69  | 55  | 150 | 2.5          | 2.0 | 35  | 22  | 77  |
| 65x50 2 1/2"x2"      | 5.0           | 4.5  | 69  | 63  | 153 | 2.5          | 2.0 | 35  | 25  | 80  |
| 80x40 3"x1 1/2"      | 6.0           | 4.0  | 72  | 55  | 165 | 3.0          | 2.0 | 40  | 22  | 87  |
| 80x50 3"x2"          | 8.0           | 5.0  | 64  | 63  | 165 | 3.0          | 2.0 | 40  | 25  | 90  |
| 80x65 3"x2 1/2"      | 6.0           | 5.0  | 72  | 69  | 165 | 3.0          | 2.5 | 40  | 35  | 90  |
| 90x40 3 1/2"x1 1/2"  |               |      |     |     |     | 3.0          | 2.0 | 50  | 22  | 102 |
| 90x50 3 1/2"x2"      |               |      |     |     |     | 3.0          | 2.0 | 50  | 25  | 105 |
| 90x65 3 1/2"x2 1/2"  |               |      |     |     |     | 3.0          | 2.5 | 50  | 35  | 115 |
| 90x80 3 1/2"x3"      |               |      |     |     |     | 3.0          | 3.0 | 50  | 40  | 115 |
| 100x40 4"x1 1/2"     | 7.5           | 4.5  | 92  | 55  | 190 |              |     |     |     |     |
| 100x50 4"x2"         | 7.5           | 5.0  | 92  | 63  | 208 | 3.5          | 2.0 | 50  | 25  | 105 |
| 100x65 4"x2 1/2"     | 7.5           | 6.0  | 92  | 69  | 200 | 3.5          | 2.5 | 50  | 35  | 115 |
| 100x80 4"x3"         | 10.0          | 8.0  | 84  | 64  | 190 | 3.5          | 3.0 | 50  | 40  | 120 |
| 100x90 4"x3 1/2"     |               |      |     |     |     | 3.5          | 3.0 | 50  | 50  | 120 |
| 125x65 5"x2 1/2"     |               |      |     |     |     | 3.5          | 2.5 | 65  | 35  | 130 |
| 125x80 5"x3"         |               |      |     |     |     | 3.5          | 3.0 | 65  | 40  | 140 |
| 125x100 5"x4"        | 11.0          | 10.0 | 104 | 84  | 229 | 3.5          | 3.5 | 65  | 50  | 150 |
| 150x65 6"x2 1/2"     |               |      |     |     |     | 4.0          | 2.5 | 80  | 35  | 160 |
| 150x80 6"x3"         | 9.0           | 6.0  | 140 | 72  | 260 | 4.0          | 3.0 | 80  | 40  | 165 |
| 150x100 6"x4"        | 9.0           | 7.5  | 140 | 92  | 280 | 4.0          | 3.5 | 80  | 50  | 170 |
| 150x125 6"x5"        | 9.0           | 8.0  | 140 | 112 | 295 | 4.0          | 3.5 | 80  | 65  | 170 |
| 200x100 8"x4"        | 10.5          | 7.5  | 172 | 92  | 340 |              |     |     |     |     |
| 200x125 8"x5"        | 10.5          | 8.0  | 172 | 112 | 345 |              |     |     |     |     |
| 200x150 8"x6"        | 10.5          | 9.0  | 172 | 140 | 350 | 7.5          | 4.0 | 100 | 80  | 250 |
| 250x200 10"x8"       | 13.0          | 10.5 | 185 | 172 | 420 | 8.5          | 7.5 | 130 | 100 | 300 |
| 300x200 12"x8"       | 15.0          | 10.5 | 230 | 172 | 495 |              |     |     |     |     |

註: 紅色字體為自來水用接頭規格, 亦可用於灰色一般管路配管。

Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.



順 T 型同徑接頭 Sanitary Tee

單位: mm

| 規格 Size   | 厚接頭(順T) Thick |     |     |     |     |     |     | 薄接頭(排順T) Thin |     |     |     |     |     |     |
|-----------|---------------|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|-----|
|           | t             | t1  | l   | l1  | H   | H1  | L   | t             | t1  | l   | l1  | H   | H1  | L   |
| 40 1 1/2" | 4.5           | 55  | 55  | 111 | 111 | 180 | 2.0 | 22            | 22  | 68  | 68  | 104 | 104 | 104 |
| 50 2"     | 5.0           | 63  | 63  | 114 | 127 | 200 | 2.0 | 25            | 25  | 87  | 88  | 135 | 135 | 135 |
| 65 2 1/2" | 5.0           | 69  | 69  | 132 | 140 | 234 | 3.0 | 35            | 35  | 109 | 105 | 177 | 177 | 177 |
| 80 3"     | 6.0           | 72  | 72  | 177 | 172 | 280 | 3.0 | 40            | 40  | 123 | 125 | 205 | 205 | 205 |
| 90 3 1/2" |               |     |     |     |     |     | 3.0 | 50            | 50  | 130 | 140 | 230 | 230 | 230 |
| 100 4"    | 7.5           | 92  | 92  | 224 | 219 | 355 | 3.5 | 50            | 50  | 155 | 155 | 255 | 255 | 255 |
| 125 5"    | 8.0           | 112 | 112 | 252 | 233 | 416 | 3.5 | 65            | 65  | 200 | 200 | 325 | 325 | 325 |
| 150 6"    | 9.0           | 140 | 140 | 290 | 295 | 495 | 4.0 | 80            | 80  | 238 | 238 | 390 | 390 | 390 |
| 200 8"    | 10.5          | 172 | 172 | 347 | 360 | 615 | 7.5 | 100           | 100 | 300 | 300 | 490 | 490 | 490 |
| 250 10"   |               |     |     |     |     |     | 8.5 | 130           | 130 | 370 | 370 | 615 | 615 | 615 |

順 T 型異徑接頭 Reducer Sanitary Tee

單位: mm

| 規格 Size             | 厚接頭(順T) Thick |     |     |     |     |     |     | 薄接頭(排順T) Thin |     |     |     |     |     |     |
|---------------------|---------------|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|-----|
|                     | t             | t1  | l   | l1  | H   | H1  | L   | t             | t1  | l   | l1  | H   | H1  | L   |
| 50x40 2"x1 1/2"     | 5.0           | 4.5 | 63  | 55  | 114 | 118 | 192 | 2.0           | 2.0 | 25  | 22  | 70  | 75  | 114 |
| 65x40 2 1/2"x1 1/2" |               |     |     |     |     |     |     | 2.5           | 2.0 | 35  | 22  | 87  | 87  | 138 |
| 65x50 2 1/2"x2"     | 5.0           | 5.0 | 69  | 63  | 128 | 130 | 218 | 2.5           | 2.0 | 35  | 25  | 93  | 92  | 153 |
| 80x40 3"x1 1/2"     |               |     |     |     |     |     |     | 3.0           | 2.0 | 40  | 22  | 90  | 100 | 147 |
| 80x50 3"x2"         | 6.0           | 5.0 | 72  | 63  | 140 | 145 | 235 | 3.0           | 2.0 | 40  | 25  | 98  | 105 | 162 |
| 90x40 3 1/2"x1 1/2" |               |     |     |     |     |     |     | 3.0           | 2.0 | 50  | 22  | 100 | 100 | 168 |
| 90x50 3 1/2"x2"     |               |     |     |     |     |     |     | 3.0           | 2.0 | 50  | 25  | 109 | 110 | 183 |
| 90x65 3 1/2"x2 1/2" |               |     |     |     |     |     |     | 3.0           | 2.5 | 50  | 35  | 115 | 120 | 200 |
| 100x40 4"x1 1/2"    |               |     |     |     |     |     |     | 3.5           | 2.0 | 50  | 22  | 90  | 110 | 160 |
| 100x50 4"x2"        | 7.5           | 5.0 | 92  | 63  | 154 | 152 | 270 | 3.5           | 2.0 | 50  | 25  | 100 | 118 | 175 |
| 100x65 4"x2 1/2"    |               |     |     |     |     |     |     | 3.5           | 3.0 | 50  | 35  | 125 | 125 | 210 |
| 100x80 4"x3"        | 7.5           | 6.0 | 92  | 72  | 194 | 182 | 318 | 3.5           | 3.0 | 50  | 40  | 133 | 140 | 220 |
| 125x65 5"x2 1/2"    |               |     |     |     |     |     |     | 3.5           | 2.5 | 65  | 35  | 140 | 140 | 238 |
| 125x80 5"x3"        | 8.0           | 6.0 | 112 | 72  | 235 | 198 | 350 | 3.5           | 3.0 | 65  | 40  | 130 | 145 | 235 |
| 125x100 5"x4"       | 8.0           | 7.5 | 112 | 92  | 235 | 219 | 388 | 3.5           | 3.5 | 65  | 50  | 155 | 160 | 270 |
| 150x50 6"x2"        | 9.0           | 5.0 | 140 | 63  | 215 | 180 | 420 | 4.0           | 2.0 | 80  | 25  | 132 | 155 | 237 |
| 150x80 6"x3"        | 9.0           | 6.0 | 140 | 72  | 230 | 207 | 420 | 4.0           | 3.0 | 80  | 40  | 151 | 170 | 272 |
| 150x100 6"x4"       | 9.0           | 7.5 | 140 | 92  | 246 | 234 | 425 | 4.0           | 3.5 | 80  | 50  | 170 | 180 | 300 |
| 150x125 6"x5"       | 9.0           | 8.0 | 140 | 112 | 273 | 252 | 468 |               |     |     |     |     |     |     |
| 200x50 8"x2"        | 10.5          | 5.0 | 172 | 63  | 307 | 210 | 440 |               |     |     |     |     |     |     |
| 200x80 8"x3"        | 10.5          | 6.0 | 172 | 72  | 307 | 235 | 470 |               |     |     |     |     |     |     |
| 200x100 8"x4"       | 10.5          | 7.5 | 172 | 92  | 307 | 263 | 510 |               |     |     |     |     |     |     |
| 200x150 8"x6"       | 10.5          | 9.0 | 172 | 140 | 307 | 320 | 560 | 7.5           | 4.0 | 100 | 80  | 235 | 265 | 410 |
| 250x150 10"x6"      | 11.5          | 9.0 | 185 | 140 | 332 | 345 | 588 | 8.5           | 4.0 | 130 | 80  | 271 | 285 | 474 |
| 250x200 10"x8"      |               |     |     |     |     |     |     | 8.5           | 7.5 | 130 | 100 | 312 | 323 | 537 |

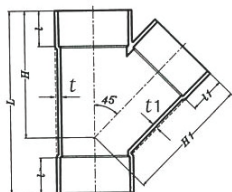
註/Note:

厚規格製品亦可依上列圖示之虛線製造。

Thick product of fitting can also be manufactured according to the dotted line of above diagram.



## 7 灰色一般用接頭規格(厚、薄) Specification of gray fitting (thick and thin)



Y 型同徑接頭 Wye

單位: mm

| 規格 Size | 厚接頭(OY) Thick |     |     |     |     |     |  | 薄接頭(排Y) Thin |     |     |       |       |     |  |
|---------|---------------|-----|-----|-----|-----|-----|--|--------------|-----|-----|-------|-------|-----|--|
|         | t             | l   | l1  | H   | H1  | L   |  | t            | l   | l1  | H     | H1    | L   |  |
| 40 1½"  | 4.5           | 55  | 55  | 116 | 119 | 185 |  | 2.0          | 22  | 22  | 80    | 84    | 114 |  |
| 50 2"   | 5.0           | 63  | 63  | 141 | 142 | 220 |  | 2.0          | 25  | 25  | 100   | 103   | 142 |  |
| 65 2½"  | 5.0           | 69  | 69  | 166 | 161 | 260 |  | 3.0          | 35  | 35  | 127   | 133   | 185 |  |
| 80 3"   | 6.0           | 72  | 72  | 180 | 188 | 280 |  | 3.0          | 40  | 40  | 152   | 154   | 213 |  |
| 90 3½"  |               |     |     |     |     |     |  | 3.0          | 50  | 50  | 171.5 | 177.5 | 247 |  |
| 100 4"  | 7.5           | 92  | 92  | 230 | 240 | 355 |  | 3.5          | 50  | 50  | 193   | 194   | 275 |  |
| 125 5"  | 8.0           | 112 | 112 | 282 | 292 | 434 |  | 3.5          | 65  | 65  | 235   | 240   | 335 |  |
| 150 6"  | 9.0           | 140 | 140 | 344 | 352 | 530 |  | 4.0          | 80  | 80  | 285   | 285   | 410 |  |
| 200 8"  | 10.5          | 172 | 172 | 446 | 433 | 690 |  | 7.5          | 100 | 100 | 365   | 375   | 520 |  |

Y 型異徑接頭 Reducer Wye

單位: mm

| 規格 Size        | 厚接頭(OY) Thick |     |     |     |     |     |     | 薄接頭(排Y) Thin |     |     |    |     |     |     |
|----------------|---------------|-----|-----|-----|-----|-----|-----|--------------|-----|-----|----|-----|-----|-----|
|                | t             | t1  | l   | l1  | H   | H1  | L   | t            | t1  | l   | l1 | H   | H1  | L   |
| 50x40 2"x1½"   | 5.0           | 4.5 | 63  | 55  | 132 | 128 | 202 | 2.0          | 2   | 25  | 22 | 91  | 91  | 124 |
| 65x40 2½"x1½"  | 5.0           | 4.5 | 69  | 55  | 148 | 133 | 223 | 3.0          | 2   | 35  | 22 | 109 | 105 | 148 |
| 65x50 2½"x2"   | 5.0           | 5.0 | 69  | 63  | 148 | 152 | 230 | 3.0          | 2   | 35  | 25 | 118 | 114 | 162 |
| 80x40 3"x1½"   |               |     |     |     |     |     |     | 3.0          | 2   | 40  | 22 | 120 | 115 | 160 |
| 80x50 3"x2"    | 6.0           | 5.0 | 72  | 63  | 164 | 164 | 239 | 3.0          | 2   | 40  | 25 | 130 | 123 | 170 |
| 90x40 3½"x1½"  |               |     |     |     |     |     |     | 3.0          | 2   | 50  | 22 | 136 | 122 | 177 |
| 90x50 3½"x2"   |               |     |     |     |     |     |     | 3.0          | 2   | 50  | 25 | 144 | 131 | 192 |
| 90x65 3½"x2½"  |               |     |     |     |     |     |     | 3.0          | 2.5 | 50  | 35 | 155 | 149 | 217 |
| 100x40 4"x1½"  |               |     |     |     |     |     |     | 3.5          | 2   | 50  | 22 | 143 | 126 | 177 |
| 100x50 4"x2"   | 7.5           | 5.0 | 92  | 63  | 195 | 185 | 285 | 3.5          | 2   | 50  | 25 | 152 | 142 | 195 |
| 100x65 4"x2½"  |               |     |     |     |     |     |     | 3.5          | 3   | 50  | 35 | 162 | 160 | 217 |
| 100x80 4"x3"   | 7.5           | 6.0 | 92  | 72  | 213 | 206 | 319 | 3.5          | 3   | 50  | 40 | 173 | 171 | 238 |
| 125x50 5"x2"   | 8.0           | 5.0 | 112 | 63  | 233 | 192 | 337 | 3.5          | 2   | 65  | 25 | 183 | 155 | 228 |
| 125x65 5"x2½"  |               |     |     |     |     |     |     | 3.5          | 2.5 | 65  | 35 | 193 | 180 | 250 |
| 125x80 5"x3"   | 8.0           | 6.0 | 112 | 72  | 252 | 216 | 372 | 3.5          | 3   | 65  | 40 | 205 | 187 | 273 |
| 125x100 5"x4"  | 8.0           | 7.5 | 112 | 92  | 272 | 252 | 415 | 3.5          | 3.5 | 65  | 50 | 216 | 212 | 300 |
| 150x50 6"x2"   | 9.0           | 5.0 | 140 | 63  | 270 | 228 | 385 |              |     |     |    |     |     |     |
| 150x65 6"x2½"  |               |     |     |     |     |     |     | 4.0          | 2.5 | 80  | 35 | 220 | 197 | 280 |
| 150x80 6"x3"   | 9.0           | 6.0 | 140 | 72  | 282 | 240 | 412 | 4.0          | 3   | 80  | 40 | 227 | 206 | 300 |
| 150x100 6"x4"  | 9.0           | 7.5 | 140 | 92  | 294 | 274 | 455 | 4.0          | 3.5 | 80  | 50 | 245 | 230 | 340 |
| 150x125 6"x5"  | 9.0           | 8.0 | 140 | 112 | 322 | 310 | 500 |              |     |     |    |     |     |     |
| 200x50 8"x2"   | 10.5          | 5.0 | 172 | 63  | 327 | 258 | 445 |              |     |     |    |     |     |     |
| 200x80 8"x3"   | 10.5          | 6.0 | 172 | 72  | 345 | 282 | 485 |              |     |     |    |     |     |     |
| 200x100 8"x4"  | 10.5          | 7.5 | 172 | 92  | 362 | 316 | 520 | 7.5          | 3.5 | 100 | 50 | 292 | 268 | 380 |
| 200x125 8"x5"  | 10.5          | 8.0 | 172 | 112 | 382 | 349 | 560 |              |     |     |    |     |     |     |
| 200x150 8"x6"  | 10.5          | 9.0 | 172 | 140 | 400 | 394 | 600 | 7.5          | 4   | 100 | 80 | 328 | 326 | 445 |
| 250x150 10"x6" | 13.0          | 9.0 | 185 | 140 | 455 | 430 | 625 |              |     |     |    |     |     |     |

註: 厚規格製品亦可依上列圖示之虛線製造

Note: Thick product of fitting can also be manufactured according to the dotted line of above diagram.

Y 型接頭單插口 Wye With Spigot End

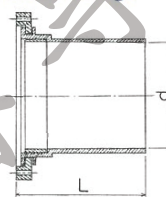
單位: mm

| 規格 Size | 薄接頭(排Y) Thin |    |    |      |     |     |
|---------|--------------|----|----|------|-----|-----|
|         | 厚度           | l  | l1 | H    | H1  | L   |
| 50 2"   | 2            | 25 | 31 | 98.6 | 103 | 142 |

組合式穿樑接頭 Assembly type Beam Fittings

單位: mm

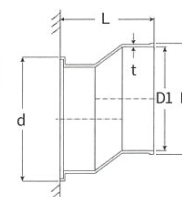
| 規格 Size | d   | L   |
|---------|-----|-----|
| 2"      | 62  | 99  |
| 2½"     | 78  | 99  |
| 3"      | 91  | 105 |
| 4"      | 116 | 119 |
| 5"      | 142 | 119 |
| 6"      | 167 | 119 |



外壁偏心接頭 Eccentric Fitting

單位: mm

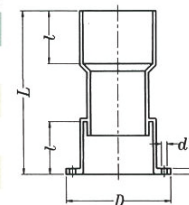
| 規格 Size  | D   | D1  | L   | t   | d   |
|----------|-----|-----|-----|-----|-----|
| 4"       | 126 | 116 | 155 | 3.5 | 147 |
| 5" (開模中) | 146 | 137 | 149 | 3.5 | 186 |
| 6"       | 174 | 164 | 141 | 3.5 | 194 |



樓板接頭 Slab Joint

單位: mm

| 規格 Size            | D    | d   | W | l  | L   |
|--------------------|------|-----|---|----|-----|
| 40 1½"             | 52.5 | 3.5 | 5 | 40 | 140 |
| 50 2"              | 65   | 3.5 | 5 | 45 | 140 |
| 80 3"              | 96   | 3.5 | 5 | 50 | 140 |
| 80x65x50 3"x2½"x2" | 96   | 3.5 | 5 | 40 | 140 |
| 100 4"             | 122  | 3.5 | 5 | 50 | 140 |

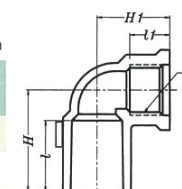


龍L接頭(塑膠牙)

Faucet Fitting — 90° Elbow (Plastic Thread)

單位: mm

| 規格 Size       | l  | H  | 螺牙 THREAD |    | H1 |
|---------------|----|----|-----------|----|----|
|               |    |    | d         | t1 |    |
| 13x16 3/8"x½" | 26 | 38 | PT½"      | 17 | 29 |
| 16 ½"         | 30 | 43 | PT½"      | 17 | 32 |
| 20 ¾"         | 35 | 51 | PT¾"      | 19 | 36 |

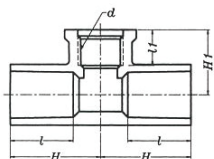




## 7

## 灰色一般用接頭規格

## Specification of gray fitting

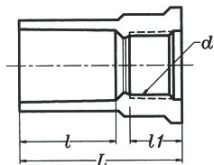


龍T接頭(塑膠牙)

Faucet Fitting — Fixture Tee (Plastic Thread)

單位: mm

| 規格 Size | l       | H  | 螺牙THREAD |      | H1 |    |
|---------|---------|----|----------|------|----|----|
|         |         |    | d        | l1   |    |    |
| 13x16   | 3/8"x½" | 26 | 38       | PT½" | 17 | 29 |
| 16      | ½"      | 30 | 43       | PT½" | 17 | 32 |
| 20x16   | ¾"x½"   | 35 | 47       | PT½" | 17 | 34 |
| 20      | ¾"      | 35 | 51       | PT¾" | 19 | 36 |

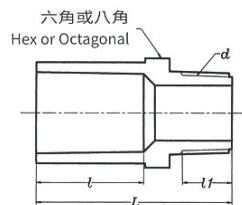


龍S接頭(塑膠牙)

Faucet Fitting — Female Adapter (Plastic Thread)

單位: mm

| 規格 Size | l           | 螺牙THREAD |         | L  |    |
|---------|-------------|----------|---------|----|----|
|         |             | d        | l1      |    |    |
| 13x16   | 3/8" x 1/2" | 26       | PT 1/2" | 17 | 47 |
| 16      | 1/2"        | 30       | PT 1/2" | 19 | 57 |
| 20      | 3/4"        | 35       | PT 3/4" | 19 | 59 |



止閘接頭(塑膠牙)

Male Adapter (Plastic Thread)

單位: mm

| 規格 Size | l       | 螺牙THREAD |          | L  |     |
|---------|---------|----------|----------|----|-----|
|         |         | d        | l1       |    |     |
| 13      | 3/8"    | 26       | PT1/2"   | 15 | 50  |
| 16      | 1/2"    | 30       | PT1/2"   | 15 | 54  |
| 20      | 3/4"    | 35       | PT3/4"   | 17 | 64  |
| 25      | 1"W     | 40       | PT1"     | 19 | 71  |
| 30      | 1 1/4"W | 44       | PT1 1/4" | 22 | 80  |
| 40      | 1 1/2"  | 55       | PT1 1/2" | 22 | 92  |
| 50      | 2"      | 63       | PT2"     | 26 | 106 |
| 65      | 2 1/2"  | 69       | PT2 1/2" | 30 | 120 |
| 80      | 3"      | 72       | PT3"     | 33 | 126 |
| 100     | 4"      | 92       | PT4"     | 40 | 146 |
| 125     | 5"      | 112      | PT5"     | 44 | 177 |
| 150     | 6"      | 140      | PT6"     | 44 | 213 |

註：紅色字體為自來水用接頭規格，亦可用於灰色一般管路配管。  
Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.

圖1 FIG.1

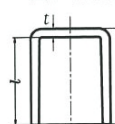
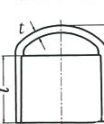


圖2 FIG.2

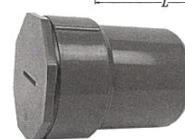
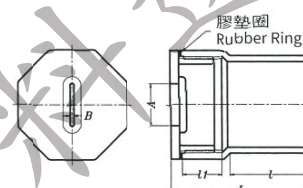


塞頭 Cap

單位: mm

| 規格 Size | t    | l    | L   |      |
|---------|------|------|-----|------|
| 16      | ½"   | 3.5  | 30  | 33.5 |
| 20      | ¾"   | 3.5  | 35  | 38.5 |
| 25      | 1"W  | 4.0  | 40  | 44   |
| 30      | 1¼"W | 4.0  | 44  | 48   |
| 40      | 1½"  | 4.5  | 55  | 59.5 |
| 50      | 2"   | 5.0  | 63  | 68   |
| 65      | 2½"  | 6.6  | 69  | 100  |
| 80      | 3"   | 8.0  | 72  | 107  |
| 90      | 3½"  | 6.0  | 80  | 119  |
| 100     | 4"   | 10.0 | 92  | 137  |
| 125     | 5"   | 11.0 | 112 | 166  |
| 150     | 6"   | 13.0 | 140 | 202  |
| 200     | 8"   | 15.0 | 172 | 257  |
| 250     | 10"  | 15.0 | 185 | 295  |

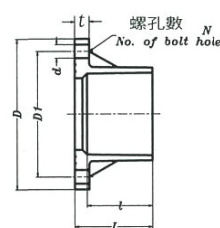
註：紅色字體為自來水用接頭規格，亦可用於灰色一般管路配管。  
Note: The red font refers the specification of tap water fitting which can also be used for gray piping project.



清除孔接頭 Cleanout Bushing

單位: mm

| 規格 Size |    | A   | B   | l   | l1 | L   |
|---------|----|-----|-----|-----|----|-----|
| 50      | 2" | 30  | 4.5 | 59  | 25 | 90  |
| 80      | 3" | 50  | 4.5 | 75  | 38 | 120 |
| 100     | 4" | 50  | 4.5 | 93  | 47 | 150 |
| 125     | 5" | 80  | 10  | 120 | 50 | 180 |
| 150     | 6" | 125 | 10  | 128 | 47 | 190 |
| 200     | 8" | 160 | 10  | 175 | 50 | 240 |



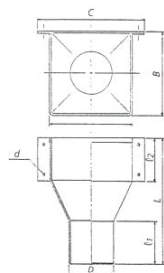
法蘭接頭 Flange

單位: mm

| 規格 Size | t   | D  | D1  | l   | 螺孔 Hole |    | L  |     |
|---------|-----|----|-----|-----|---------|----|----|-----|
|         |     |    |     |     | d       | N  |    |     |
| 40      | 1½" | 17 | 140 | 105 | 55      | 19 | 4  | 68  |
| 50      | 2"  | 17 | 155 | 120 | 63      | 19 | 4  | 76  |
| 65      | 2½" | 18 | 175 | 140 | 69      | 19 | 4  | 83  |
| 80      | 3"  | 18 | 185 | 150 | 72      | 19 | 8  | 86  |
| 100     | 4"  | 18 | 210 | 175 | 92      | 19 | 8  | 107 |
| 125     | 5"  | 20 | 250 | 210 | 112     | 23 | 8  | 130 |
| 150     | 6"  | 22 | 280 | 240 | 140     | 23 | 8  | 165 |
| 200     | 8"  | 22 | 330 | 290 | 172     | 23 | 12 | 195 |
| 250     | 10" | 24 | 400 | 355 | 185     | 25 | 12 | 235 |
| 300     | 12" | 30 | 445 | 400 | 230     | 25 | 16 | 295 |



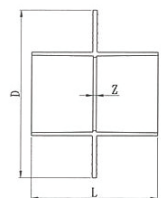
## 7 灰色一般用接頭規格 Specification of gray fitting



漏斗 Hopper

單位: mm

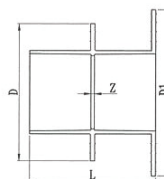
| 規格 Size | A   | B   | C   | D    | L1    | L2  | L       |
|---------|-----|-----|-----|------|-------|-----|---------|
| 200 8"  | 396 | 396 | 512 | φ215 | φ12.5 | 210 | 200 585 |



止水板接頭  
Coupling with Waterstop Board

單位: mm

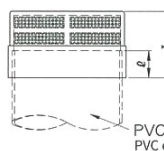
| 規格 Size | D   | Z   | L   |
|---------|-----|-----|-----|
| 2"      | 160 | 4   | 147 |
| 2-1/2"  | 180 | 4.5 | 147 |
| 3"      | 195 | 5   | 147 |
| 4"      | 220 | 5   | 147 |
| 5"      | 250 | 5.5 | 167 |
| 6"      | 275 | 6   | 223 |



雙層止水板接頭  
Coupling with Double Waterstop Board

單位: mm

| 規格 Size | D   | D1  | Z | L   |
|---------|-----|-----|---|-----|
| 5"      | 210 | 240 | 5 | 148 |



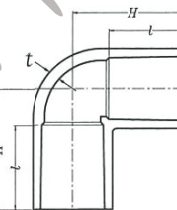
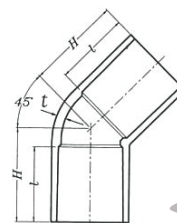
通氣口接頭 Air Vent

單位: mm

| 規格 Size | L     |
|---------|-------|
| 2"      | 22 50 |
| 2-1/2"  | 22 52 |
| 3"      | 22 54 |

PVC排氣管  
PVC exhaust pipe

## 8 HI耐衝擊PVC-U接頭規格 Specification for HI high impact PVC-U fittings drainage



45° L 型接頭 45° Elbow 單位: mm

| 規格 Size      | t    | l   | H   |
|--------------|------|-----|-----|
| ○ 16 1/2"    | 3.5  | 30  | 38  |
| ○ 20 3/4"    | 3.5  | 35  | 44  |
| ○ 25 1"W     | 4.0  | 40  | 51  |
| ○ 30 1 1/4"W | 4.0  | 44  | 56  |
| ○ 40 1 1/2"  | 4.5  | 55  | 69  |
| ○ 50 2"      | 5.0  | 63  | 80  |
| ○ 65 2 1/2"  | 5.0  | 69  | 90  |
| ○ 80 3"      | 8.0  | 64  | 97  |
| ○ 100 4"     | 10.0 | 84  | 122 |
| ○ 125 5"     | 11.0 | 104 | 149 |
| ○ 150 6"     | 13.0 | 132 | 184 |
| ○ 200 8"     | 15.0 | 164 | 224 |
| △ 250 10"    | 13.0 | 185 | 248 |

90° L 型接頭 90° Elbow 單位: mm

| 規格 Size      | t    | l   | H   |
|--------------|------|-----|-----|
| ○ 16 1/2"    | 3.5  | 30  | 43  |
| ○ 20 3/4"    | 3.5  | 35  | 50  |
| ○ 25 1"W     | 4.0  | 40  | 58  |
| ○ 30 1 1/4"W | 4.0  | 44  | 65  |
| ○ 40 1 1/2"  | 4.5  | 55  | 82  |
| ○ 50 2"      | 5.0  | 63  | 96  |
| ○ 65 2 1/2"  | 6.6  | 61  | 110 |
| ○ 80 3"      | 8.0  | 64  | 120 |
| ○ 100 4"     | 10.0 | 84  | 153 |
| ○ 125 5"     | 11.0 | 104 | 188 |
| ○ 150 6"     | 13.0 | 132 | 230 |
| ○ 200 8"     | 15.0 | 164 | 288 |
| △ 250 10"    | 13.0 | 185 | 326 |

### 註 / Note:

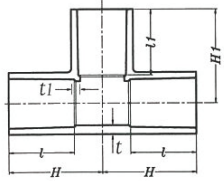
- 符合CNS15010一般用與自來水用耐衝擊聚氯乙烯塑膠管2022年4月新版標準(正字標誌認證)
- △ 20°C使用壓力7.65kg/cm<sup>2</sup> ↓, 實際使用等級詳洽南亞客服人員。
- Comply with the new version (April, 2022) of CNS 15010 standards—Unplasticized high impact Polyvinyl chloride(PVC-U) pipe fittings for general uses and water supply.
- △ Below 7.65kg/cm<sup>2</sup> of hydrostatic pressure resistance(20°C).Please contact our specialist for the actual grade of materials at any time.



## 8

## HI耐衝擊PVC-U接頭規格

Specification for HI high impact PVC-U fittings drainage



T 型同徑接頭 Tee

單位: mm

| 規格 Size   | t    | l   | l1  | H     | H1    |
|-----------|------|-----|-----|-------|-------|
| ○ 16 ½"   | 3.5  | 30  | 30  | 43    | 43    |
| ○ 20 ¾"   | 3.5  | 35  | 35  | 50    | 50    |
| ○ 25 1"W  | 4.0  | 40  | 40  | 58    | 58    |
| ○ 30 1¼"W | 4.0  | 44  | 44  | 65    | 65    |
| ○ 40 1½"  | 4.5  | 55  | 55  | 82    | 82    |
| ○ 50 2"   | 5.0  | 63  | 63  | 96    | 96    |
| ○ 65 2½"  | 6.6  | 61  | 61  | 110   | 110   |
| ○ 80 3"   | 8.0  | 64  | 64  | 120   | 120   |
| ○ 100 4"  | 10.0 | 84  | 84  | 152   | 152   |
| ○ 125 5"  | 11.0 | 104 | 104 | 187   | 187   |
| ○ 150 6"  | 13.0 | 132 | 132 | 230   | 230   |
| ○ 200 8"  | 15.0 | 164 | 164 | 287.5 | 287.5 |
| △ 250 10" | 13.0 | 185 | 185 | 325   | 325   |

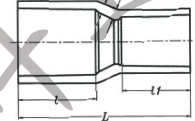
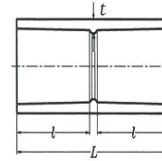
T 型異徑接頭 Reducer Tee

單位: mm

| 規格 Size          | t    | t1   | l   | l1  | H     | H1  |
|------------------|------|------|-----|-----|-------|-----|
| ○ 20x16 ¾"x½"    | 3.5  | 3.5  | 35  | 30  | 48    | 45  |
| ○ 25x16 1"Wx½"   | 4.0  | 3.5  | 40  | 30  | 53    | 48  |
| ○ 25x20 1"Wx¾"   | 4.0  | 3.5  | 40  | 35  | 55    | 53  |
| ○ 30x16 1¼"Wx½"  | 4.0  | 3.5  | 44  | 30  | 57    | 51  |
| ○ 30x20 1¼"Wx¾"  | 4.0  | 3.5  | 44  | 35  | 59    | 56  |
| ○ 30x25 1¼"Wx1"W | 4.0  | 4.0  | 44  | 40  | 62    | 61  |
| ○ 40x16 1½"x½"   | 4.5  | 3.5  | 55  | 30  | 68    | 57  |
| ○ 40x20 1½"x¾"   | 4.5  | 3.5  | 55  | 35  | 70    | 62  |
| ○ 40x25 1½"x1"W  | 4.5  | 4.0  | 55  | 40  | 73    | 67  |
| ○ 40x30 1½"x1¼"W | 4.5  | 4.0  | 55  | 44  | 76    | 71  |
| ○ 50x16 2"x½"    | 5.0  | 3.5  | 63  | 30  | 76    | 63  |
| ○ 50x20 2"x¾"    | 5.0  | 3.5  | 63  | 35  | 78    | 68  |
| ○ 50x25 2"x1"W   | 5.0  | 4.0  | 63  | 40  | 81    | 73  |
| ○ 50x30 2"x1¼"W  | 5.0  | 4.0  | 63  | 44  | 84    | 77  |
| ○ 50x40 2"x1½"   | 5.0  | 4.5  | 63  | 55  | 90    | 88  |
| ○ 65x40 2½"x1½"  | 6.6  | 4.5  | 61  | 55  | 100   | 96  |
| ○ 65x50 2½"x2"   | 6.6  | 5.0  | 61  | 63  | 101   | 104 |
| ○ 80x20 3"x¾"    | 6.0  | 3.5  | 72  | 35  | 90    | 82  |
| ○ 80x25 3"x1"W   | 8.0  | 4.0  | 64  | 40  | 93    | 88  |
| ○ 80x40 3"x1½"   | 8.0  | 4.5  | 64  | 55  | 100   | 102 |
| ○ 80x50 3"x2"    | 8.0  | 5.0  | 64  | 63  | 105   | 110 |
| ○ 80x65 3"x2½"   | 8.0  | 6.6  | 64  | 61  | 113   | 117 |
| ○ 100x40 4"x1½"  | 7.5  | 4.5  | 92  | 55  | 120   | 115 |
| ○ 100x50 4"x2"   | 10.0 | 5.0  | 84  | 63  | 125   | 122 |
| ○ 100x80 4"x3"   | 10.0 | 8.0  | 84  | 64  | 140   | 132 |
| ○ 125x80 5"x3"   | 11.0 | 8.0  | 104 | 64  | 160   | 147 |
| ○ 125x100 5"x4"  | 11.0 | 10.0 | 104 | 84  | 173   | 167 |
| ○ 150x80 6"x3"   | 13.0 | 8.0  | 132 | 64  | 195   | 158 |
| ○ 150x100 6"x4"  | 13.0 | 10.0 | 132 | 84  | 208   | 182 |
| ○ 150x125 6"x5"  | 13.0 | 11.0 | 132 | 104 | 217   | 201 |
| ○ 200x100 8"x4"  | 15.0 | 10.0 | 164 | 84  | 236.5 | 204 |
| ○ 200x150 8"x6"  | 15.0 | 13.0 | 164 | 132 | 264   | 252 |

註 / Note:

- 符合CNS15010一般用與自來水用耐衝擊聚氯乙稀塑膠管2022年4月新版標準(正字標誌認證)
- △ 20°C使用壓力7.65kgf/cm<sup>2</sup>↓, 實際使用等級詳洽南亞客服人員。
- Comply with the new version (April, 2022) of CNS 15010 standards—Unplasticized high impact Polyvinyl chloride(PVC-U) pipe fittings for general uses and water supply.
- △ Below 7.65kg/cm<sup>2</sup> of hydrostatic pressure resistance(20°C).Please contact our specialist for the actual grade of materials at any time.



S 型同徑接頭 Coupling

單位: mm

| 規格 Size   | t    | l   | H   |
|-----------|------|-----|-----|
| ○ 16 ½"   | 3.5  | 30  | 67  |
| ○ 20 ¾"   | 3.5  | 35  | 77  |
| ○ 25 1"W  | 4.0  | 40  | 87  |
| ○ 30 1¼"W | 4.0  | 44  | 95  |
| ○ 40 1½"  | 4.5  | 55  | 117 |
| ○ 50 2"   | 5.0  | 63  | 133 |
| ○ 65 2½"  | 6.6  | 61  | 145 |
| ○ 80 3"   | 8.0  | 64  | 155 |
| ○ 100 4"  | 10.0 | 84  | 200 |
| ○ 125 5"  | 11.0 | 104 | 240 |
| ○ 150 6"  | 13.0 | 132 | 300 |
| ○ 200 8"  | 15.0 | 164 | 360 |
| △ 250 10" | 13.0 | 185 | 400 |

S 型異徑接頭 Reducer Coupling

單位: mm

| 規格 Size          | t    | t1   | l   | l1  | L   |
|------------------|------|------|-----|-----|-----|
| ○ 20x16 ¾"x½"    | 3.5  | 3.5  | 35  | 30  | 71  |
| ○ 25x16 1"Wx½"   | 4.0  | 3.5  | 40  | 30  | 85  |
| ○ 25x20 1"Wx¾"   | 4.0  | 3.5  | 40  | 35  | 84  |
| △ 28x25 1"x1"W   | 3.5  | 4.0  | 4.0 | 4.0 | 90  |
| ○ 30x16 1¼"Wx½"  | 4.0  | 3.5  | 44  | 30  | 95  |
| ○ 30x20 1¼"Wx¾"  | 4.0  | 3.5  | 44  | 35  | 93  |
| ○ 30x25 1¼"Wx1"W | 4.0  | 4.0  | 44  | 40  | 93  |
| △ 35x30 1¼"x1¼"W | 4.0  | 4.0  | 44  | 44  | 100 |
| ○ 40x16 1½"x½"   | 4.5  | 3.5  | 55  | 30  | 91  |
| ○ 40x20 1½"x¾"   | 4.5  | 3.5  | 55  | 35  | 113 |
| ○ 40x25 1½"x1"W  | 4.5  | 4.0  | 55  | 40  | 114 |
| ○ 40x30 1½"x1¼"W | 4.5  | 4.0  | 55  | 44  | 114 |
| ○ 50x16 2"x½"    | 5.0  | 3.5  | 63  | 30  | 120 |
| ○ 50x20 2"x¾"    | 5.0  | 3.5  | 63  | 35  | 116 |
| ○ 50x25 2"x1"W   | 5.0  | 4.0  | 63  | 40  | 140 |
| ○ 50x30 2"x1¼"W  | 5.0  | 4.0  | 63  | 44  | 136 |
| ○ 50x40 2"x1½"   | 5.0  | 4.5  | 63  | 55  | 136 |
| ○ 65x40 2½"x1½"  | 6.6  | 4.5  | 61  | 55  | 145 |
| ○ 65x50 2½"x2"   | 6.6  | 5.0  | 61  | 63  | 149 |
| ○ 80x50 3"x2"    | 8.0  | 5.0  | 64  | 63  | 165 |
| ○ 80x65 3"x2½"   | 6.0  | 6.0  | 72  | 69  | 165 |
| ○ 100x40 4"x1½"  | 7.5  | 4.5  | 92  | 55  | 190 |
| ○ 100x50 4"x2"   | 7.5  | 5.0  | 92  | 63  | 208 |
| ○ 100x80 4"x3"   | 10.0 | 8.0  | 84  | 64  | 190 |
| ○ 125x100 5"x4"  | 11.0 | 10.0 | 104 | 84  | 229 |
| ○ 150x80 6"x3"   | 9.0  | 6.0  | 140 | 72  | 260 |
| ○ 150x100 6"x4"  | 13.0 | 10.0 | 132 | 84  | 295 |
| ○ 150x125 6"x5"  | 13.0 | 11.0 | 132 | 104 | 272 |
| ○ 200x100 8"x4"  | 15.0 | 10.0 | 164 | 84  | 340 |
| ○ 200x125 8"x5"  | 15.0 | 11.0 | 164 | 104 | 345 |
| ○ 200x150 8"x5"  | 15.0 | 13.0 | 164 | 132 | 350 |
| △ 250x200 10"x8" | 13.0 | 10.5 | 185 | 172 | 420 |
| △ 300x200 12"x8" | 15.0 | 10.5 | 230 | 172 | 495 |

註 / Note:

- 符合CNS15010一般用與自來水用耐衝擊聚氯乙稀塑膠管2022年4月新版標準(正字標誌認證)
- △ 20°C使用壓力7.65kgf/cm<sup>2</sup>↓, 實際使用等級詳洽南亞客服人員。
- Comply with the new version (April, 2022) of CNS 15010 standards—Unplasticized high impact Polyvinyl chloride(PVC-U) pipe fittings for general uses and water supply.
- △ Below 7.65kg/cm<sup>2</sup> of hydrostatic pressure resistance(20°C).Please contact our specialist for the actual grade of materials at any time.

塞頭 Cap

單位: mm

| 規格 Size | t    | l   | L    |
|---------|------|-----|------|
| 16 ½"   | 3.5  | 30  | 33.5 |
| 20 ¾"   | 3.5  | 35  | 38.5 |
| 25 1"W  | 4.0  | 40  | 44   |
| 30 1¼"W | 4.0  | 44  | 48   |
| 40 1½"  | 4.5  | 55  | 59.5 |
| 50 2"   | 5.0  | 63  | 68   |
| 65 2½"  | 6.6  | 61  | 96   |
| 80 3"   | 8.0  | 64  | 105  |
| 100 4"  | 10.0 | 84  | 138  |
| 125 5"  | 11.0 | 104 | 160  |
| 150 6"  | 13.0 | 132 | 205  |
| 200 8"  | 15.0 | 164 | 257  |

圖1 FIG.1

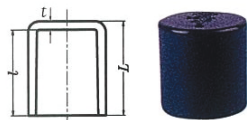


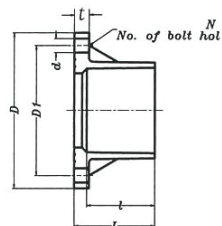
圖2 FIG.2



法蘭接頭 Flange

單位: mm

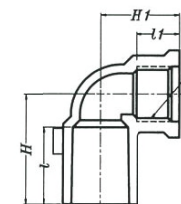
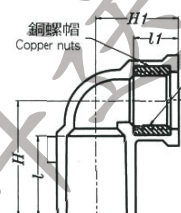
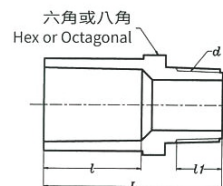
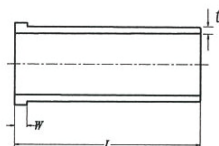
| 規格 Size | t  | D   | D1  | l   | 螺孔 Hole |    | L   |
|---------|----|-----|-----|-----|---------|----|-----|
|         |    |     |     |     | d       | N  |     |
| 40 1½"  | 17 | 140 | 105 | 55  | 19      | 4  | 68  |
| 50 2"   | 17 | 155 | 120 | 63  | 19      | 4  | 76  |
| 65 2½"  | 18 | 175 | 140 | 69  | 19      | 4  | 83  |
| 80 3"   | 20 | 185 | 150 | 72  | 19      | 8  | 86  |
| 100 4"  | 20 | 210 | 175 | 92  | 19      | 8  | 107 |
| 125 5"  | 20 | 250 | 210 | 112 | 23      | 8  | 130 |
| 150 6"  | 22 | 280 | 240 | 140 | 23      | 8  | 165 |
| 200 8"  | 22 | 330 | 290 | 172 | 23      | 12 | 195 |
| 250 10" | 24 | 400 | 355 | 185 | 25      | 12 | 235 |
| 300 12" | 30 | 445 | 400 | 230 | 25      | 16 | 295 |



由令 Union

單位: mm

| 規格 Size | t   | W | L   |
|---------|-----|---|-----|
| 16 ½"   | 3.0 | 5 | 85  |
| 20 ¾"   | 3.0 | 6 | 90  |
| 25 1"W  | 3.5 | 7 | 100 |
| 30 1¼"W | 3.5 | 8 | 110 |
| 40 1½"  | 4.0 | 8 | 120 |
| 50 2"   | 4.5 | 9 | 130 |



止閘接頭(塑膠牙)

Male Adapter (Plastic Thread)

單位: mm

| 規格 Size | l   | 螺牙THREAD |    | L   |
|---------|-----|----------|----|-----|
|         |     | d        | l1 |     |
| 16 ½"   | 30  | PT½"     | 15 | 54  |
| 20 ¾"   | 35  | PT¾"     | 17 | 64  |
| 25 1"W  | 40  | PT1"     | 19 | 71  |
| 30 1¼"W | 44  | PT1¼"    | 22 | 80  |
| 40 1½"  | 55  | PT1½"    | 22 | 92  |
| 50 2"   | 63  | PT2"     | 26 | 106 |
| 65 2½"  | 69  | PT2½"    | 30 | 120 |
| 80 3"   | 72  | PT3"     | 33 | 126 |
| 100 4"  | 92  | PT4"     | 40 | 146 |
| 125 5"  | 112 | PT5"     | 44 | 177 |
| 150 6"  | 140 | PT6"     | 44 | 213 |

龍L入銅接頭

Faucet Fitting (Insert Bronze Nut) — 90° Elbow

單位: mm

| 規格 Size | l  | H  | 螺牙THREAD |    | H1 |
|---------|----|----|----------|----|----|
|         |    |    | d        | l1 |    |
| 16 ½"   | 30 | 43 | PF½"     | 17 | 32 |
| 20 ¾"   | 35 | 51 | PF¾"     | 19 | 36 |

龍L接頭(塑膠牙)

Faucet Fitting (Plastic Thread) — 90° Elbow

單位: mm

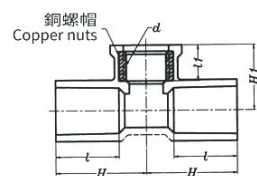
| 規格 Size | l  | H  | 螺牙THREAD |    | H1 |
|---------|----|----|----------|----|----|
|         |    |    | d        | l1 |    |
| 16 ½"   | 30 | 43 | PT½"     | 17 | 32 |
| 20 ¾"   | 35 | 51 | PT¾"     | 19 | 36 |



## 8

## HI耐衝擊PVC-U接頭規格

Specification for HI high impact PVC-U fittings drainage

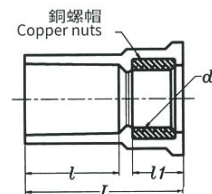


## 龍T入銅接頭

## Faucet Fitting (Insert Bronze Nut) — Fixture Tee

單位: mm

| 規格 Size | l     | H  | 螺牙THREAD |      | H1 |    |
|---------|-------|----|----------|------|----|----|
|         |       |    | d        | l1   |    |    |
| 16      | ½"    | 30 | 43       | PF½" | 17 | 32 |
| 20x16   | ¾"x½" | 30 | 47       | PF½" | 17 | 34 |
| 20      | ¾"    | 35 | 51       | PF¾" | 19 | 36 |



## 龍S入銅接頭

## Faucet Fitting (Insert Bronze Nut) — Female Adapter

單位: mm

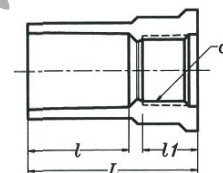
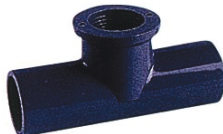
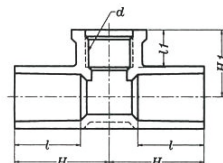
| 規格 Size |     | l  | 螺牙THREAD |    | L  |
|---------|-----|----|----------|----|----|
|         |     |    | d        | l1 |    |
| 16      | ½"  | 30 | PF½"     | 17 | 52 |
| 20      | ¾"  | 35 | PF¾"     | 19 | 59 |
| 25      | 1"W | 40 | PF1"     | 21 | 68 |

## 龍T接頭(塑膠牙)

## Faucet Fitting (Plastic Thread) — Fixture Tee

單位: mm

| 規格 Size | l         | H  | 螺牙THREAD |         | H1 |    |
|---------|-----------|----|----------|---------|----|----|
|         |           |    | d        | l1      |    |    |
| 16      | 1/2"      | 30 | 43       | PT 1/2" | 17 | 32 |
| 20x16   | 3/4"x1/2" | 35 | 47       | PT 1/2" | 17 | 34 |
| 20      | 3/4"      | 35 | 51       | PT 3/4" | 19 | 36 |



## 龍S接頭(塑膠牙)

## Faucet Fitting (Plastic Thread) — Female Adapter

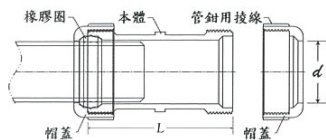
單位: mm

| 規格 Size |    | l  | 螺牙THREAD |    | L  |
|---------|----|----|----------|----|----|
|         |    |    | d        | l1 |    |
| 16      | ½" | 30 | PT½"     | 19 | 57 |
| 20      | ¾" | 35 | PT¾"     | 19 | 59 |

## 8

## HI耐衝擊PVC-U接頭規格

## Specification for HI high impact PVC-U fittings drainage



## 伸縮接頭 Compression Fitting

## 特性 Characteristics:

1. 施工簡便、容易裝卸、施工不受天候影響、施工後可立即通水、耐水壓强度高、具有伸縮效果。
2. 適用於埋設地下管線，若用於地上配管時，伸縮接頭需予以固定住，防止滑動。

1. Compression fitting, which is easy for construction and loading without weather impact, features superb compression and water pressure resistance.
2. Compression fitting, not only used for underground pipeline but also suitable for above-ground pipeline, needs to be fixed tightly to avoid sliding.

## 用途 Applications:

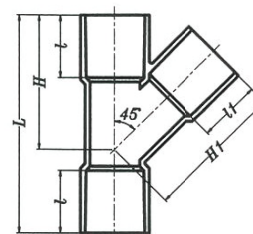
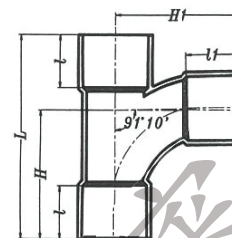
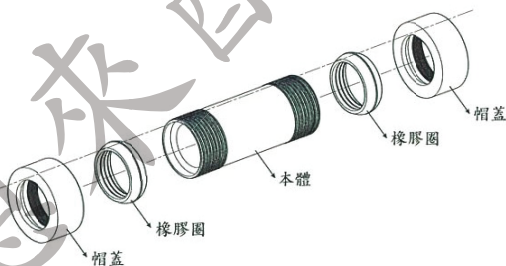
1. 適用於中小口徑壓力管線。
2. 可吸收直線配管因熱脹冷縮所產生的伸縮量。
3. 作為管線破裂後之緊急快速搶修接頭。
1. Applicable to high pressure pipeline (for small and medium size of compression fittings use).
2. Able to absorb piping's expansion resulted from thermal expansion and contraction.
3. Suitable for fixing damaged compression fittings of cracked pipe-line.

單位: mm

| 規格<br>Size | 內徑 d 及許可差<br>Inside Diameter and Tolerance | 本體長度<br>L |
|------------|--------------------------------------------|-----------|
| 16 1/2"    | 22.8 ± 0.3                                 | 90        |
| 20 3/4"    | 26.8 ± 0.3                                 | 90        |
| 50 2"      | 61.5 ± 0.5                                 | 144       |
| 65 2 1/2"  | 77.5 ± 0.5                                 | 183       |
| 80 3"      | 90.8 ± 0.5                                 | 223       |
| 100 4"     | 116.0 ± 0.6                                | 251       |

## 註/Remark:

1. 橡膠圈材質依CNS 10774之I類A5之規定。
1. The rubber ring material is in accordance with the A5 of Class I in CNS 10774.



## 順 T 接頭 Sanitary Tee

單位: mm

| 規格<br>Size   | l  | l1 | H   | H1  | L   |
|--------------|----|----|-----|-----|-----|
| 80X50 3"X2"  | 72 | 63 | 140 | 145 | 235 |
| 100X50 4"X2" | 92 | 63 | 154 | 152 | 270 |

## 註:

順 T 接頭限用於無壓力之排水。

## Note:

Sanitary T fitting is used for non-pressuer drainage.

## 同徑 Y 型接頭 Wye

單位: mm

| 規格<br>Size | l   | l1  | H   | H1  | L   |
|------------|-----|-----|-----|-----|-----|
| 50 2"      | 63  | 141 | 142 | 220 | 200 |
| 80 3"      | 72  | 180 | 188 | 280 | 235 |
| 100 4"     | 92  | 92  | 230 | 240 | 355 |
| 125 5"     | 112 | 112 | 282 | 292 | 434 |
| 150 6"     | 140 | 140 | 344 | 352 | 530 |

## 異徑 Y 型接頭 Reducer Wye

單位: mm

| 規格<br>Size    | l   | l1  | H   | H1  | L   |
|---------------|-----|-----|-----|-----|-----|
| 80X50 3"X2"   | 72  | 63  | 164 | 164 | 239 |
| 100X50 4"X2"  | 92  | 63  | 195 | 185 | 285 |
| 100X80 4"X3"  | 92  | 72  | 213 | 202 | 319 |
| 125X50 5"X2"  | 112 | 63  | 233 | 192 | 337 |
| 125X80 5"X3"  | 112 | 72  | 252 | 216 | 372 |
| 125X100 5"X4" | 112 | 92  | 272 | 252 | 415 |
| 150X50 6"X2"  | 140 | 63  | 270 | 228 | 385 |
| 150X80 6"X3"  | 130 | 72  | 282 | 240 | 412 |
| 150X100 6"X4" | 130 | 92  | 294 | 274 | 435 |
| 150X125 6"X5" | 140 | 112 | 322 | 310 | 500 |

## 註:

Y型接頭限用於無壓力之排水。

## Note:

Wye type fitting is used for non-pressuer drainage.

## 中華民國專利證書

新發明 第583510 號

發明名稱: 管線連接組件

發明人: 南京潤豐工業股份有限公司

發明創作人: 林豐政、蘇文瑞

專利權期限: 自2019年9月11日至2029年1月13日止

上列發明係由南京潤豐工業股份有限公司委託南京潤豐工業股份有限公司

經濟部智慧財產局局長

洪淑敏

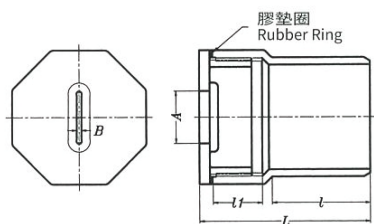
中華民國 108 年 9 月 11 日



## 8

## HI耐衝擊PVC-U接頭規格

Specification for HI high impact PVC-U fittings drainage



清除孔接頭 Cleanout Bushing 單位: mm

| 規格  | Size | A  | B   | L   | L1 | L   |
|-----|------|----|-----|-----|----|-----|
| 50  | 2"   | 30 | 4.5 | 59  | 25 | 98  |
| 125 | 5"   | 80 | 10  | 120 | 50 | 194 |

註:

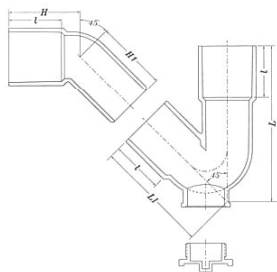
1.清除孔接頭本體與蓋之間所套入橡膠墊圈,於每次使用後應鎖緊,以防漏水。

2.清除孔接頭限用於無壓力之排水。

Note:

1.In order to against the leakage of rubber ring between cleanout bushing body and cap, please screw the cleanout cap on the cleanout bushing body tightly.

2.cleanout bushing is used for non-pressuer drainage.



P 型存水接頭

"P" Trap with Solvent Weldjoint And Cleanout Plug

單位: mm

| 規格              | Size | L  | H  | L1  | H1 | L2  |
|-----------------|------|----|----|-----|----|-----|
| 2"X4mm (1¼吋內大牙) |      | 63 | 85 | 138 | 85 | 195 |

註:

P型存水接頭限用於無壓力之排水。

Note:

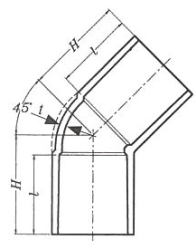
It is used for non-pressuer drainage.



# 9

## 下水道及排水用接頭規格

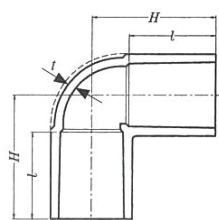
### Specification of PVC-U Fittings for Sewerage & Drainage



45° L 型接頭 45° Elbow

單位: mm

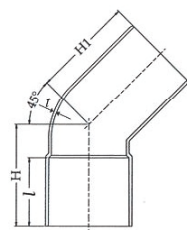
| 規格 Size   | t    | l   | H   |
|-----------|------|-----|-----|
| 40 1 1/2" | 4.5  | 55  | 69  |
| 50 2"     | 5.0  | 63  | 80  |
| 65 2 1/2" | 5.0  | 69  | 90  |
| 80 3"     | 6.0  | 72  | 95  |
| 90 3 1/2" | 6.5  | 80  | 105 |
| 100 4"    | 7.5  | 92  | 121 |
| 125 5"    | 8.0  | 112 | 150 |
| 150 6"    | 9.0  | 140 | 185 |
| 200 8"    | 10.5 | 172 | 224 |
| 250 10"   | 13.0 | 185 | 248 |



90° L 型接頭 90° Elbow

單位: mm

| 規格 Size   | t    | l   | H   |
|-----------|------|-----|-----|
| 40 1 1/2" | 4.5  | 55  | 82  |
| 50 2"     | 5.0  | 63  | 96  |
| 65 2 1/2" | 5.0  | 69  | 110 |
| 80 3"     | 6.0  | 72  | 120 |
| 90 3 1/2" | 6.5  | 80  | 135 |
| 100 4"    | 7.5  | 92  | 152 |
| 125 5"    | 8.0  | 112 | 188 |
| 150 6"    | 9.0  | 140 | 228 |
| 200 8"    | 10.5 | 172 | 288 |
| 250 10"   | 13.0 | 185 | 326 |

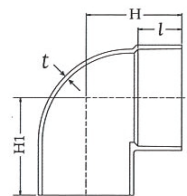


45° L 型單放口接頭

45° Elbow With Spigot End

單位: mm

| 規格 Size   | t   | l   | H   | H1  |
|-----------|-----|-----|-----|-----|
| 40 1 1/2" | 4.5 | 55  | 69  | 69  |
| 50 2"     | 4.0 | 63  | 85  | 85  |
| 80 3"     | 5.5 | 72  | 95  | 95  |
| 100 4"    | 7.0 | 92  | 121 | 121 |
| 125 5"    | 7.5 | 112 | 148 | 148 |

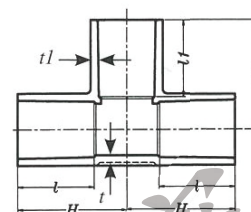


90° L 型單放口接頭

90° Elbow with Spigot End

單位: mm

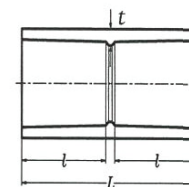
| 規格 Size   | 厚接頭(90° OL) Thick |    |     |       | 薄接頭(90° 排L) Thin |    |     |      |
|-----------|-------------------|----|-----|-------|------------------|----|-----|------|
|           | t                 | l  | H   | H1    | t                | l  | H   | H1   |
| 40 1 1/2" | 4.5               | 55 | 82  | 85    |                  |    |     |      |
| 50 2"     | 4.0               | 63 | 96  | 101   | 2.0              | 25 | 57  | 58.5 |
| 100 4"    | 7.0               | 92 | 152 | 159.5 | 3.5              | 50 | 110 | 114  |



T 型接頭 Tee

單位: mm

| 規格 Size         | t   | t1  | l  | l1 | H   | H1  |
|-----------------|-----|-----|----|----|-----|-----|
| 40X40 1 1/2"    | 4.5 | 4.5 | 55 | 55 | 82  | 82  |
| 50X50 2"        | 5.0 | 5.0 | 63 | 63 | 96  | 96  |
| 65X50 2 1/2"X2" | 5.0 | 5.0 | 69 | 63 | 102 | 104 |
| 80X50 3"X2"     | 6.0 | 5.0 | 72 | 63 | 105 | 110 |
| 100X50 4"X2"    | 7.5 | 4.5 | 92 | 63 | 125 | 122 |
| 100X80 4"X3"    | 7.5 | 6.0 | 92 | 72 | 140 | 132 |
| 100X100 4"      | 7.5 | 7.5 | 92 | 92 | 152 | 152 |



同徑普通接頭 Coupling

單位: mm

| 規格 Size   | t    | l   | L   |
|-----------|------|-----|-----|
| 40 1 1/2" | 4.5  | 55  | 117 |
| 50 2"     | 5.0  | 63  | 133 |
| 65 2 1/2" | 6.6  | 69  | 147 |
| 80 3"     | 6.0  | 72  | 155 |
| 100 4"    | 7.5  | 92  | 200 |
| 125 5"    | 8.0  | 112 | 235 |
| 150 6"    | 9.0  | 140 | 300 |
| 200 8"    | 10.5 | 172 | 360 |
| 250 10"   | 13.0 | 185 | 400 |

註/Note:

亦可參照灰色一般用接頭規格訂製橘色成品

Production can be manufactured by specification of gray fitting, only change color.

註/Note:

亦可參照灰色一般用接頭規格訂製橘色成品

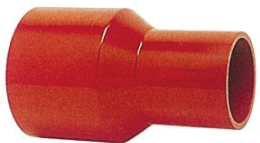
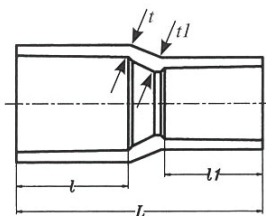
Production can be manufactured by specification of gray fitting, only change color.



## 9

## 下水道及排水用接頭規格

## Specification of PVC-U Fittings for Sewerage &amp; Drainage



異徑普通接頭 Reducer Coupling 單位: mm

| 規格 Size             | t    | t1   | l   | l1  | L   |
|---------------------|------|------|-----|-----|-----|
| 50X40 2"x1 1/2"     | 5.0  | 3.5  | 63  | 55  | 136 |
| 65X40 2 1/2"x1 1/2" | 5.0  | 4.0  | 69  | 55  | 150 |
| 65X50 2 1/2"x2"     | 5.0  | 4.5  | 69  | 63  | 153 |
| 80X50 3"x2"         | 6.0  | 4.5  | 72  | 63  | 165 |
| 100X50 4"x2"        | 7.5  | 5.0  | 92  | 63  | 208 |
| 100X80 4"x3"        | 10.0 | 8.0  | 92  | 72  | 190 |
| 125X80 5"x3"        | 8.0  | 7.5  | 112 | 72  | 210 |
| 125X100 5"x4"       | 8.0  | 7.5  | 112 | 92  | 225 |
| 150X80 6"x3"        | 9.0  | 6.0  | 140 | 72  | 260 |
| 150X100 6"x4"       | 9.0  | 7.5  | 140 | 92  | 280 |
| 150X125 6"x5"       | 9.0  | 8.0  | 140 | 112 | 295 |
| 200X100 8"x4"       | 10.5 | 7.5  | 172 | 92  | 340 |
| 200X125 8"x5"       | 10.5 | 8.0  | 172 | 112 | 345 |
| 200X150 8"x6"       | 10.5 | 9.0  | 172 | 140 | 350 |
| 250X200 10"x8"      | 13.0 | 10.5 | 185 | 172 | 420 |

圖1 FIG.1

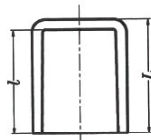
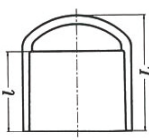


圖2 FIG.2



塞頭 Cap

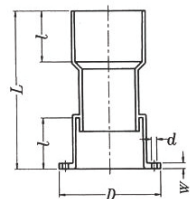
單位: mm

| 規格 Size   | l   | L    | 備註 Remark |
|-----------|-----|------|-----------|
| 40 1 1/2" | 55  | 59.5 | 圖1 FIG.1  |
| 50 2"     | 63  | 68   | 圖1 FIG.1  |
| 80 3"     | 72  | 107  | 圖2 FIG.2  |
| 100 4"    | 92  | 138  | 圖2 FIG.2  |
| 125 5"    | 112 | 168  | 圖2 FIG.2  |
| 150 6"    | 140 | 205  | 圖2 FIG.2  |
| 200 8"    | 172 | 260  | 圖2 FIG.2  |

樓板接頭 Slab Joint

單位: mm

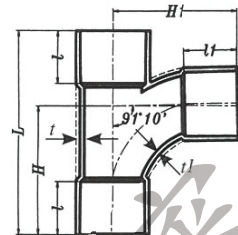
| 規格 Size               | D    | d   | W | l  | L   |
|-----------------------|------|-----|---|----|-----|
| 40 1 1/2"             | 52.5 | 3.5 | 5 | 40 | 140 |
| 50 2"                 | 65   | 3.5 | 5 | 45 | 140 |
| 80 3"                 | 96   | 3.5 | 5 | 50 | 140 |
| 80x65x50 3"x2 1/2"x2" | 96   | 3.5 | 5 | 40 | 140 |
| 100 4"                | 122  | 3.5 | 5 | 50 | 140 |



註/Note:

亦可參照灰色一般用接頭規格訂製橘色成品

Production can be manufactured by specification of gray fitting, only change color.



順 T 接頭 Sanitary Tee

單位: mm

| 規格 Size         | t    | t1   | l   | l1  | H   | H1  | L   |
|-----------------|------|------|-----|-----|-----|-----|-----|
| 40X40 1 1/2"    | 4.5  | 4.5  | 55  | 55  | 111 | 111 | 180 |
| 50X40 2"x1 1/2" | 5.0  | 4.5  | 63  | 55  | 114 | 118 | 192 |
| 50X50 2"        | 5.0  | 5.0  | 63  | 63  | 114 | 127 | 200 |
| 65X50 2 1/2"x2" | 5.0  | 5.0  | 69  | 63  | 128 | 130 | 218 |
| 65X65 2 1/2"    | 5.0  | 5.0  | 69  | 69  | 132 | 140 | 234 |
| 80X50 3"x2"     | 6.0  | 5.0  | 72  | 63  | 140 | 145 | 235 |
| 80X80 3"        | 6.0  | 6.0  | 72  | 72  | 177 | 172 | 280 |
| 100X50 4"x2"    | 7.5  | 5.0  | 92  | 63  | 154 | 152 | 270 |
| 100X80 4"x3"    | 7.5  | 6.0  | 92  | 72  | 194 | 182 | 318 |
| 100X100 4"      | 7.5  | 7.5  | 92  | 92  | 224 | 219 | 355 |
| 125X80 5"x3"    | 8.0  | 6.0  | 112 | 72  | 235 | 198 | 350 |
| 125X100 5"x4"   | 8.0  | 7.5  | 112 | 92  | 235 | 219 | 388 |
| 125X125 5"      | 8.0  | 8.0  | 112 | 112 | 252 | 233 | 416 |
| 150X50 6"x2"    | 9.0  | 5.0  | 140 | 63  | 215 | 180 | 420 |
| 150X80 6"x3"    | 9.0  | 6.0  | 130 | 72  | 230 | 207 | 420 |
| 150X100 6"x4"   | 9.0  | 7.5  | 130 | 92  | 246 | 234 | 425 |
| 150X125 6"x5"   | 9.0  | 8.0  | 140 | 112 | 273 | 252 | 468 |
| 150X150 6"      | 9.0  | 9.0  | 140 | 140 | 290 | 295 | 495 |
| 200X80 8"x3"    | 10.5 | 6.0  | 172 | 72  | 265 | 235 | 470 |
| 200X100 8"x4"   | 10.5 | 7.5  | 172 | 92  | 262 | 263 | 510 |
| 200X150 8"x6"   | 10.5 | 9.0  | 172 | 140 | 307 | 320 | 560 |
| 200X200 8"      | 10.5 | 10.5 | 172 | 172 | 347 | 360 | 615 |

45° Y 型接頭 45° Wye

單位: mm

| 規格 Size         | t    | t1   | l   | l1  | H   | H1  | L   |
|-----------------|------|------|-----|-----|-----|-----|-----|
| 40X40 1 1/2"    | 4.5  | 4.5  | 55  | 55  | 116 | 119 | 185 |
| 50X40 2"x1 1/2" | 5.0  | 4.5  | 63  | 55  | 132 | 128 | 202 |
| 50X50 2"        | 5.0  | 5.0  | 63  | 63  | 141 | 142 | 220 |
| 65X50 2 1/2"x2" | 5.0  | 5.0  | 69  | 63  | 148 | 152 | 230 |
| 80X50 3"x2"     | 6.0  | 5.0  | 72  | 63  | 164 | 164 | 239 |
| 80X80 3"        | 6.0  | 6.0  | 72  | 72  | 188 | 188 | 235 |
| 100X50 4"x2"    | 7.5  | 5.0  | 92  | 63  | 195 | 185 | 285 |
| 100X80 4"x3"    | 7.5  | 6.0  | 92  | 72  | 213 | 202 | 319 |
| 100X100 4"      | 7.5  | 7.5  | 92  | 92  | 230 | 240 | 355 |
| 125X50 5"x2"    | 8.0  | 5.0  | 112 | 63  | 233 | 192 | 337 |
| 125X80 5"x3"    | 8.0  | 6.0  | 112 | 72  | 252 | 216 | 372 |
| 125X100 5"x4"   | 8.0  | 7.5  | 112 | 92  | 272 | 252 | 415 |
| 125X125 5"      | 8.0  | 8.0  | 112 | 112 | 282 | 292 | 434 |
| 150X50 6"x2"    | 9.0  | 5.0  | 140 | 63  | 270 | 228 | 385 |
| 150X80 6"x3"    | 9.0  | 6.0  | 130 | 72  | 282 | 240 | 412 |
| 150X100 6"x4"   | 9.0  | 7.5  | 130 | 92  | 294 | 274 | 435 |
| 150X125 6"x5"   | 9.0  | 8.0  | 140 | 112 | 322 | 310 | 500 |
| 150X150 6"      | 9.0  | 9.0  | 140 | 140 | 344 | 352 | 530 |
| 200X50 8"x2"    | 10.5 | 5.0  | 172 | 63  | 327 | 258 | 445 |
| 200X80 8"x3"    | 10.5 | 6.0  | 172 | 72  | 345 | 282 | 485 |
| 200X100 8"x4"   | 10.5 | 7.5  | 172 | 92  | 362 | 316 | 520 |
| 200X125 8"x5"   | 10.5 | 8.0  | 172 | 112 | 382 | 349 | 560 |
| 200X150 8"x6"   | 10.5 | 9.0  | 172 | 140 | 400 | 394 | 600 |
| 200X200 8"      | 10.5 | 10.5 | 172 | 172 | 446 | 433 | 690 |
| 250X150 10"x6"  | 13.0 | 9.0  | 185 | 140 | 450 | 430 | 625 |

註/Note:

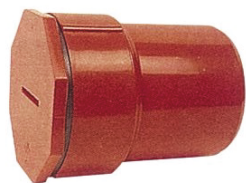
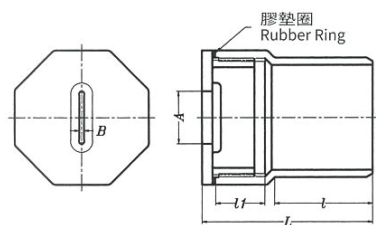
亦可參照灰色一般用接頭規格訂製橘色成品

Production can be manufactured by specification of gray fitting, only change color.

## 9

## 下水道及排水用接頭規格

## Specification of PVC-U Fittings for Sewerage &amp; Drainage



清除孔接頭 Cleanout Bushing 單位: mm

| 規格 Size | A   | B   | l   | l1 | L   |
|---------|-----|-----|-----|----|-----|
| 50 2"   | 30  | 4.5 | 59  | 25 | 98  |
| 80 3"   | 50  | 4.5 | 75  | 38 | 131 |
| 100 4"  | 50  | 4.5 | 93  | 47 | 164 |
| 125 5"  | 80  | 10  | 120 | 50 | 194 |
| 150 6"  | 125 | 10  | 128 | 50 | 204 |
| 200 8"  | 160 | 10  | 175 | 50 | 255 |

註/Note:

清除孔接頭本體與蓋之間所套入橡膠墊圈，於每次使用後應鎖緊，以防漏水。

In order to against the leakage of rubber ring between cleanout bushing body and cap, please screw the cleanout cap on the cleanout bushing body tightly.

P 型存水接頭

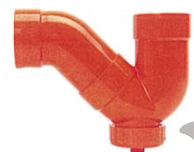
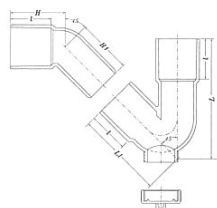
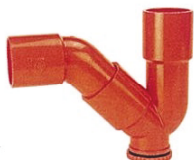
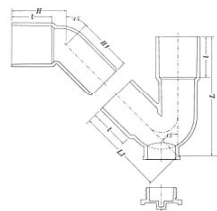
"P" Trap with Solvent Weldjoint And Cleanout Plug

單位: mm

| 規格 Size       | l  | H  | L1  | H1   | L   |
|---------------|----|----|-----|------|-----|
| 2"X2mm(1¼內大牙) | 25 | 50 | 100 | 75.5 | 137 |
| 2"X4mm(1¼內大牙) | 63 | 85 | 138 | 85   | 195 |

單位: mm

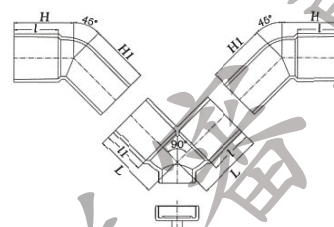
| 規格 Size          | l  | H  | L1  | H1   | L     |
|------------------|----|----|-----|------|-------|
| 1½"X2mm(1¼外大牙)   | 22 | 37 | 80  | 37   | 102   |
| 2"X2mm(1¼外大牙)    | 25 | 50 | 191 | 75.5 | 199.6 |
| 2"X4mm(1¼外大牙)    | 63 | 85 | 138 | 85   | 195   |
| 3"X5.5mm(2½外大牙)  | 72 | 95 | 252 | 95   | 250   |
| 加長型2"X2mm(1¼外大牙) | 25 | 50 | 191 | 75.5 | 199.6 |
| 加長型2"X4mm(1¼外大牙) | 63 | 85 | 138 | 85   | 195   |



V型存水接頭 V Type Water Connection

單位: mm

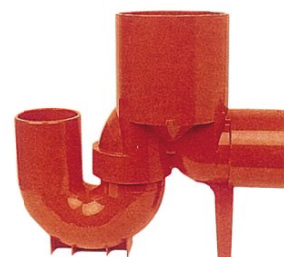
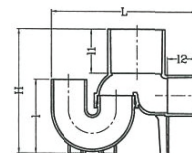
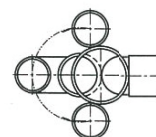
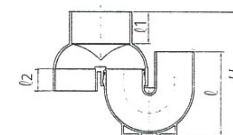
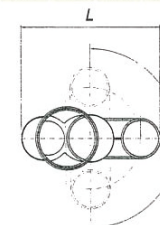
| 規格 Size | l  | L1 | H  | H1 |
|---------|----|----|----|----|
| 2"X4m   | 63 | 63 | 85 | 85 |



污水防臭接頭本體 Junction with Odor Trap

單位: mm

| 規格 Size            | H   | L   | l     | l1  | l2 |
|--------------------|-----|-----|-------|-----|----|
| (A型) 100x150 4"X6" | 398 | 457 | 234.5 | 140 | 92 |
| (B型) 100x150 4"X6" | 305 | 402 | 234.5 | 50  | 50 |

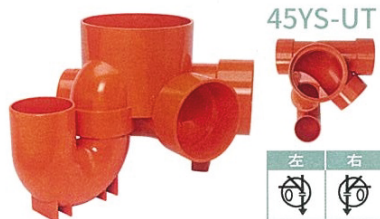
A型:  
TYPE AB型:  
TYPE B



## 9

## 下水道及排水用接頭規格

## Specification of PVC-U Fittings for Sewerage &amp; Drainage



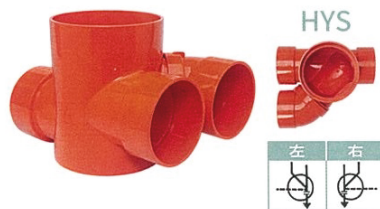
45YS-UT

單接糞管及存水彎側通匯流井  
45° Confluence with Trap

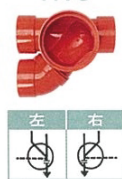
| 型號                         | 標稱管徑(mm) |     |     |       |
|----------------------------|----------|-----|-----|-------|
|                            | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| 45YS-UT(右) 100x80SX100-150 | 100x80S  | 100 | 150 | ●     |
| 45YS-UT(右) 100x80PX100-150 | 100x80P  | 100 | 150 | ●     |
| 45YS-UT(左) 100x80SX100-150 | 100x80S  | 100 | 150 | ●     |
| 45YS-UT(左) 100x80PX100-150 | 100x80P  | 100 | 150 | ●     |

註：1. 80存水彎末尾S者，其接管端為承口型，末尾P者，其接管端為插口型。

2. 存水彎可視配管需要旋轉調整角度。



HYS

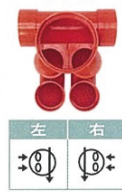
單接糞管側通匯流井  
Parallel and 90° Confluence

| 型號                 | 標稱管徑(mm) |     |     |       |
|--------------------|----------|-----|-----|-------|
|                    | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| HYS(右) 100x100-150 | 100      | 100 | 150 | ●     |
| HYS(左) 100x100-150 | 100      | 100 | 150 | ●     |

註：45°L 承口可視配管需要旋轉調整角度。



UTW

雙接存水彎匯流井  
Double Access Trap

| 型號                     | 標稱管徑(mm) |     |     |       |
|------------------------|----------|-----|-----|-------|
|                        | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| UTW(右) 80Sx80SX100-150 | 80Sx80S  | 100 | 150 | ●     |
| UTW(右) 80Px80PX100-150 | 80Px80P  | 100 | 150 | ●     |
| UTW(左) 80Sx80SX100-150 | 80Sx80S  | 100 | 150 | ●     |
| UTW(左) 80Px80PX100-150 | 80Px80P  | 100 | 150 | ●     |

註：1. 80存水彎末尾S者，其接管端為承口型，末尾P者，其接管端為插口型。

2. 存水彎可視配管需要旋轉調整角度。



90L

90° 彎管匯流井  
90° Turn

| 型號             | 標稱管徑(mm) |     |     |       |
|----------------|----------|-----|-----|-------|
|                | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| 90°L(右)100-150 | —        | 100 | 150 | ●     |
| 90°L(左)100-150 | —        | 100 | 150 | ●     |



UT

單接存水彎匯流井  
Single Access Trap

| 型號                | 標稱管徑(mm) |     |     |       |
|-------------------|----------|-----|-----|-------|
|                   | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| UT(右) 100x100-150 | 100      | 100 | 150 | ●     |
| UT(左) 100x100-150 | 100      | 100 | 150 | ●     |

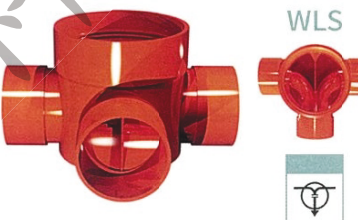
註：存水彎可視配管需要旋轉調整角度。



ST

直型匯流井  
Straight

| 型號         | 標稱管徑(mm) |     |     |       |
|------------|----------|-----|-----|-------|
|            | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| ST 100-150 | —        | 100 | 150 | ●     |



WLS

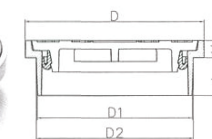
兩側合流匯流井  
Left and Right Confluence

| 型號          | 標稱管徑(mm) |     |     |       |
|-------------|----------|-----|-----|-------|
|             | 用戶接管     | 匯流管 | 豎井  | TSS規格 |
| WLS 100-150 | —        | 100 | 150 | ●     |

異徑轉接頭  
Adapter

單位：mm

| 規格     | L  | l  |
|--------|----|----|
| 80x50  | 25 | 40 |
| 100x50 | 25 | 50 |
| 100x80 | 40 | 50 |

匯流井蓋  
Chamber Cover

單位：mm

| 規格  | D   | D1  | D2    | L  | H  |
|-----|-----|-----|-------|----|----|
| 100 | 114 | 99  | 100.2 | 24 | 11 |
| 150 | 165 | 145 | 146.5 | 35 | 16 |



# 10 膠合劑 Vinyl Adhesive

## 南亞硬質膠合劑 Nan Ya Vinyl Adhesive

### 一、產品用途：

1. 硬質PVC-U管與PVC-U管之接合。
2. 硬質PVC-U管與PVC-U接頭配件之接合。

### 二、產品特色：

1. 對於硬質PVC-U材質接著性佳，耐低溫-10°C以上不結凍。
2. 產品具有QR CODE真偽辨識系統，掃描後可獲取該批硬膠檢驗報告(CoA)資料。
3. 施工簡便乾燥速度快，接著性佳。

### 三、硬膠使用選擇說明：

1. 6吋以下PVC-U管粘著使用一般硬膠ASAA(黏度80~100CPS)。
2. 6~12吋PVC-U管粘著建議使用高黏度硬膠ASAE(黏度1600CPS以上)。
3. 12吋以上管徑管件間隙較大，施工粘著時務必經多次塗佈，一定要將管件間隙完全填滿膠，方可確保無施工異常發生。
4. 管線粘著施工期間不能移動，依CNS規範常溫經時24小時後即可通水。低溫5°C以下需經時48小時後再通水。

\*\*給水管有耐壓需求應依實務需求執行水壓測試正常後，再大範圍施作或覆蓋水泥。

### I. Applications:

1. Gluing rigid PVC-U pipes.
2. Gluing rigid PVC-U pipe and PVC-U fitting.

### II. Characteristics:

1. Superb adhesion with rigid PVC-U materials; cold resistance (not freezing above -10°C).
2. Available information (CoA) by scanning QR Code, the anti-fake identification system.
3. Easy for construction; quick-drying after installation.

### III. Remarks:

1. Gluing PVC-U pipe (Size: below 6 inches) with ASAA vinyl adhesive (Viscosity: 80~100CPS).
2. Gluing PVC-U pipe (Size: 6~12 inches) with ASAE vinyl adhesive (Viscosity: above 1600CPS).
3. To ensure that nothing happened during PVC-U piping projects (Pipe size: above 12 inches), please glue PVC-U pipes over and over again with vinyl adhesive until there is not any gap in pipes.
4. Do not move the pipeline during the construction. Besides, according to CNS standards, it is suggested that water be transferred after 24 hours at normal temperature or after 48 hours at 5°C.

\*\*To meet the requirement of pressure resistance, water supply pipe should pass the hydrostatic test before cement covering.



## 南亞耐衝擊 PVC-U 膠合劑 Nan Ya High Impact Vinyl Adhesive

### 一、產品用途：

1. 硬質耐衝擊PVC-U管與耐衝擊PVC-U管之接合。
2. 硬質耐衝擊PVC-U管與耐衝擊PVC-U接頭配件之接合。

### 二、產品特色：

1. 硬質耐衝擊PVC-U材質接著性佳，可達到CNS14345接合部耐水壓要求。
2. 施工簡便乾燥速度快，接著性佳。

### 三、耐衝擊PVC-U膠合劑使用選擇說明：

1. 本製品適用於6吋以下耐衝擊PVC-U管粘著使用(黏度200~1000CPS)。
2. 6吋以上管徑管件間隙較大，施工粘著時務必經多次塗佈，一定要將管件間隙完全填滿膠，方可確保無施工異常發生。建議最大管徑不要超過16吋。
3. 管線粘著施工期間不能移動，依CNS規範常溫經時24小時後即可通水。低溫5°C以下需經時48小時後再通水。

\*\*給水管有耐壓需求應依實務需求執行水壓測試正常後，再大範圍施作或覆蓋水泥。

### I. Applications:

1. Gluing high impact PVC-U pipes
2. Gluing high impact PVC-U pipe and PVC-U fitting.

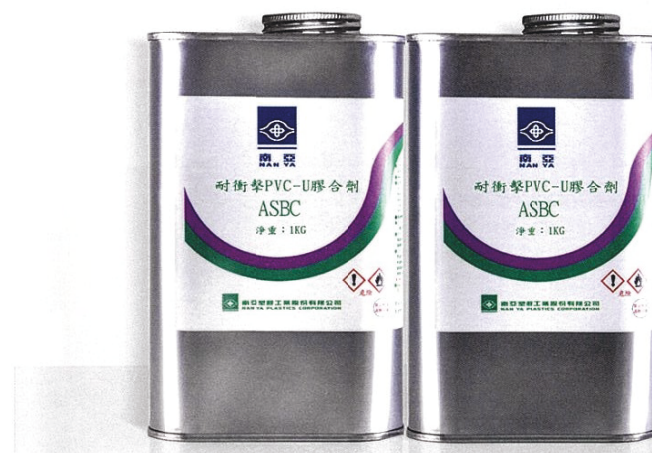
### II. Characteristics:

1. Superb adhesion with high impact PVC-U materials in compliance with CNS 1345 Standards— water-resistant joints.
2. Easy for construction; quick-drying after installation.

### III. Remarks:

1. Applicable to glue high impact PVC-U pipe (Size: below 6 inches) with high impact vinyl adhesive (Viscosity: 200~1000CPS).
2. To ensure that nothing happened during PVC-U piping projects (Pipe size: above 6 inches), please glue PVC-U pipes over and over again with high impact vinyl adhesive until there is not any gap in pipes. Therefore, it is suggested that the pipe size of high impact PVC-U pipe be less than 16 inches.
3. Do not move the pipeline during the construction. Besides, according to CNS standards, it is suggested that water be transferred after 24 hours at normal temperature or after 48 hours at 5°C.

\*\*To meet the requirement of pressure resistance, water supply pipe should pass the hydrostatic test before cement covering.





# 11 品質認證證書 Certification

ISO 9001 品質認證合格證書

ISO 9001 Quality Certification



ISO 14001 品質認證合格證書

ISO 14001 quality certification



各項 CNS 產品通過正字標記認證證書

CNS Marks of All Products





## [ 掃描QR-Code，連結南亞管材型錄 ]



PVC-U塑膠管、接頭



衛生下水道工程管材、  
接頭配件



HT-CPVC管、接頭



美規(ASTM)UPVC  
及CPVC管



PVC-DWV發泡管



HI耐衝擊PVC-U管  
及接頭



HDPE管



FM埋地消防PE管



UL651管



PPR管、接頭





本說明書中所列試驗數據、尺寸及圖片僅供參考，以正式報告為準。  
Test data, sizes, and pictures in the catalog are for reference only,  
and actual product information is based on the formal reports.

(送審本 2024. 03)



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南亞塑膠公司網站



南亞硬管網站



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