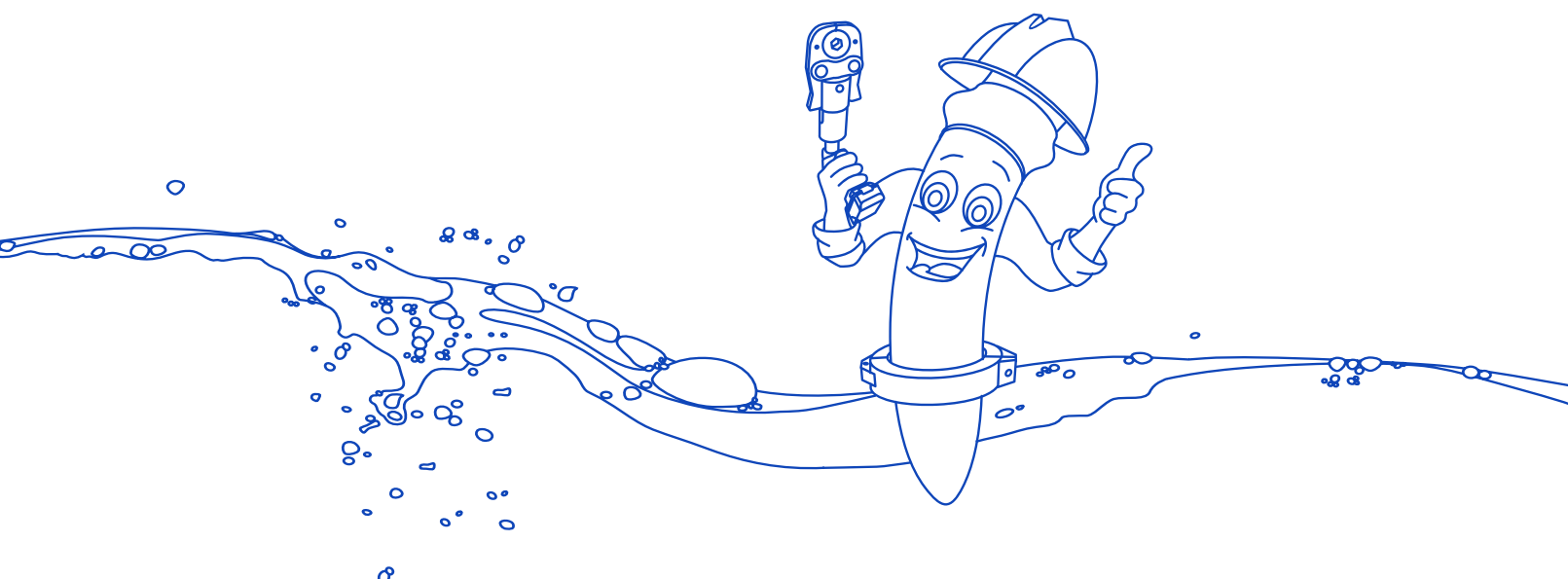


FOCUSING ON
STAINLESS STEEL PIPINGS
FOR 20 YEARS



01

企業概況

Enterprise Overview

P04-11

02

產品介紹

Product Introduction

P12-21

03

安裝技術

Installation Technology

P22-27

04

項目案例

Project Cases

P28-33

CONTENTS

目錄



Aerial view of Jiangmen Industrial Base ▲



企業簡介

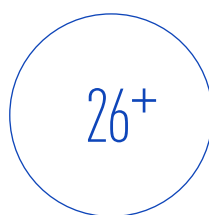
INTRODUCTION / ○○



Industrial base



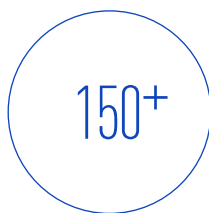
Technical patents



National Standards



QC process



Cooperative partner



Regional agents



Project Cases

Shenzhen Minle Pipe Industry Co., Ltd. adhering to the business philosophy of "People-oriented, Happy world", adheres to the mission of "The ideal vision of Minle is for all people to live and work in peace and prosperity", and provides high-quality pipe and fittings for the country to improve the national drinking water pipeline network as appointed. It mainly produces/sells various types of stainless steel pipes (fittings) from DN10 to DN1000.

Shenzhen Minle Pipe Industry Co., Ltd. was established in 2006. The head office is located in Guangming District, Shenzhen. The production base is located in Xinhui, Jiangmen, covering an area of nearly 140,000 square meters. We are specialized in producing various types of stainless steel pipes (fittings) and provide technical installation instructions. There are more than 400 employees and more than 3,000 automated production equipment / sets, all of which have reached the domestic leading level. More than 40 pipe production lines and more than 80 pipe fittings production lines can be operated simultaneously. It can produce 45,000 tons of stainless steel pipes and 35 million pipe fittings annually, which can meet the market demand of 1.5 billion/year. The products are widely used in water supply, commercial complex real estate, star hotels, medical and health, residential, gas, industrial, education and other fields. The sales network covers all major cities in China and has established cooperative partnerships with many companies worldwide.

In 2008, it was awarded as a high-tech enterprise, and has always been well-known in the industry for its four core elements of quality, efficiency, technology and service. It has won many honors, such as "China's Famous Brand", "AAA-level member unit for quality, reputation and service", and more than 140 national utility and invention patents. It has passed the ISO9001 international quality system certification and ISO14001 international environmental system certification, and was the first in the industry to pass the CNAS laboratory certification. It has been continuously awarded the honors of "Outstanding Contribution Enterprise of the Water Supply and Drainage Equipment Branch" and "National Real Estate Chief Engineer Preferred Brand Product". It has edited and participated in the editing of more than 20 national standards and industry standards, and has been widely praised by the society.

"Good quality builds engineering, engineering is done by Minle!" In order to better meet customer needs, Minle has established the most professional and largest technical instructions service team in the industry, with 8 branches, more than 30 offices, more than 1,000 distribution outlets and more than 50 image stores at home and abroad. So far, there are more than 30,000 service cases, including Great Hall of the People in Beijing, the Forbidden City in Beijing, Beijing Sub-Center in Tongzhou District, Hong Kong-Zhuhai-Macao Bridge, Shanghai Disneyland, Shenzhen Kingkey 100, Guangzhou Chow Tai Fook Finance Center, Shangri-La, Hilton, Kempinski, St. Regis, Sheraton, Ramada, Howard Johnson, Sofitel, Wanda and many other domestic five-star hotels, as well as national key projects such as the Olympic Games, Asian Games, and Universiade, and has established strategic cooperation relationships and shortlisted brand libraries with famous real estate companies such as Wanda Real Estate, Greentown E-commerce, Poly Real Estate, Broad Sustainable Building and many water systems across the country. We are committed to delivering excellence in quality engineering, premium craftsmanship, and trust-assured solutions for our clients.

Thanks to history for giving us this opportunity, Shenzhen Minle Pipe Industry Co., Ltd. has laid a solid foundation for building a "global professional stainless steel pipe manufacturer" by relying on complete hardware support and advanced intelligent manufacturing management system. While being faithful to responsibility and integrity, and focusing on creation and harvest, Minle uses new technologies to continuously innovate and will continue to strive! I believe that in the near future, with the most creative resource integration marketing platform, Minle will be built into a famous brand that will benefit the present and future generations!





企業資質

QUALIFICATION CERTIFICATE / ○○



营业执照

(副本)

统一社会信用代码
91440300788304332Y

成立日期 2006年04月17日



名称 深圳市民乐管业有限公司

类型 有限责任公司

法定代表人 麦稳球

住所 深圳市光明新区马田街道马山头社区钟表基地格雅科技大厦1栋1005

重要提示

1. 商事主体的经营范围由章程确定。经营范围中属于法律、法规规定应当经批准的项目，取得许可审批文件后方可开展相关经营活动。
2. 商事主体经营范围和许可审批项目等有关企业信用事项及年报信息和其他信用信息，请登录左下角的国家企业信用信息公示系统或扫描右上方的二维码查询。
3. 各类商事主体每年须于成立周年之日起两个月内，向商事登记机关提交上一自然年度的年度报告。企业应当按照《企业信息公示暂行条例》第十条的规定向社会公示企业信息。

登记机关



2024 年 03 月 13 日

国家企业信用信息公示系统网址：<http://www.gsxt.gov.cn>

国家市场监督管理总局监制

Enterprise business license



售后服务完善程度认证证书

★★★★★★★★★★★★

兹证明

深圳市民乐管业有限公司

统一社会信用代码: 91440300788304332Y

注册地址: 深圳市光明新区马田街道马山头社区钟表基地格雅科技大厦1栋1005

经营地址: 广东省江门市蓬江区江华路24号

符合 GB/T 27922-2011、GB/T 16868-2009、SB/T 11052-2013

标准规定的十二星级要求

认证范围: 不锈钢管销售及不锈钢管件的售后服务

发证日期: 2023年12月11日 有效期至: 2026年12月11日





Enterprise Credit Rating Certificate



高新技术企业

证书

企业名称: 深圳市民乐管业有限公司

证书编号: GR202344202549

发证时间: 二〇二三年十月十六日

有效期: 三年

批准机关:



High tech Enterprise Certification

企業資質
QUALIFICATION CERTIFICATE



CNAS certification



Quality Management System



Special equipment license certification



Twelve star certification for after-sales service

企業資質
QUALIFICATION CERTIFICATE

水務署
Water Supplies Department
香港灣仔軒士打道七號入境事務大樓
Immigration Tower, 7 Gloucester Road, Hong Kong
電子郵遞 e-mail: wsdinfo@wsd.gov.hk

電話 Telephone: 2824 0578
傳真號碼 Facsimile: 2824 0578
電 號 Reference: (4) in WSD 3321/2025 T/J(1195/2025)

9 January 2026

Bun Kee (International) Limited
Unit 1010-1016, Level 10,
Tower II, Grand Century Place,
193 Prince Edward Road West,
Mongkok, Kowloon,
Hong Kong
(Attn.: Mr Barry KU)


Dear Sir,

**Approval of "ML-BK" Stainless Steel Pipes
(General Acceptance No. ZC20260030)**

Your letters ref. BK2025-AC-MLBK-042 and BK2025-AC-MLBK-042 (V2) dated 27 November 2025 and 15 December 2025 respectively refer.

Having considered the test report ref. BC-SUMMARY-2025-471 issued on 16 October 2025 by Castco Testing Centre Limited, this Authority accepts that the pipes described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Shenzhen Minle Pipe Industry Co Ltd
Country of Origin: Chinese Mainland
Brand: ML-BK
Details of Pipes: Stainless steel pipes – Series 2 (304)
Model and Size: ML BA - 15mm, 22mm, 28mm, 35mm, 42mm, 54mm, 76.1mm, 88.9mm, 108mm
ML PEC - 15mm, 22mm, 28mm, 35mm, 42mm, 54mm



WSD Certification (S30408 Stainless Steel Pipes)

水務署
Water Supplies Department
香港灣仔軒士打道七號入境事務大樓
Immigration Tower, 7 Gloucester Road, Hong Kong
電子郵遞 e-mail: wsdinfo@wsd.gov.hk

電話 Telephone: 2824 0578
傳真號碼 Facsimile: 2824 0578
電 號 Reference: (4) in WSD 3321/2025 T/J(1271/2025)

2 February 2026

Bun Kee (International) Limited
Unit 1010-1016, Level 10, Tower II, Grand Century Place,
193 Prince Edward Road West,
Mong Kok, Kowloon
Hong Kong
(Attn.: Mr Barry KU)

Dear Sir,


**Approval of "ML-BK" Stainless Steel Fittings
(General Acceptance No. ZC20260088)**

Your letters ref. BK2025-AC-MLBK-045 and BK2025-AC-MLBK-045(V2) dated 17 December 2025 and 5 January 2026 respectively refer.

Having considered the test report ref. BC-SUMMARY-2025-511 issued on 31 December 2025 by Castco Testing Centre Limited, this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Shenzhen Minle Pipe Industry Co Ltd
Country of Origin: Chinese Mainland
Brand: ML-BK
Details of Fittings: Stainless steel fittings with press-fit connection ends (304)

Description	Model	Size
90° Elbow	ML 90E	15, 22, 28, 35, 42, 54, 76.1, 88.9, 108 (mm)
90° Street Elbow	ML 90ED	15, 22, 28, 35, 42, 54, 76.1, 88.9, 108 (mm)



WSD Certification (S30408 Stainless Steel Fittings)

水務署
Water Supplies Department
香港灣仔軒士打道七號入境事務大樓
Immigration Tower, 7 Gloucester Road, Hong Kong
電子郵遞 e-mail: wsdinfo@wsd.gov.hk

電話 Telephone: 2824 0578
傳真號碼 Facsimile: 2824 0578
電 號 Reference: (2) in WSD 3321/2025 T/J(1194/2025)

29 December 2025

Bun Kee (International) Limited
Unit 1010-1016, Level 10,
Tower II, Grand Century Place,
193 Prince Edward Road West,
Mongkok, Kowloon,
Hong Kong
(Attn.: Mr Barry KU)


Dear Sir,

**Approval of "ML-BK" Stainless Steel Pipes
(General Acceptance No. ZC20250990)**

Your letter ref. BK2025-AC-MLBK-043 dated 27 November 2025 refers.

Having considered the test report ref. BC-SUMMARY-2025-472 issued on 16 October 2025 by Castco Testing Centre Limited, this Authority accepts that the pipes described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Shenzhen Minle Pipe Industry Co Ltd
Country of Origin: Chinese Mainland
Brand: ML-BK
Details of Pipes: Stainless steel pipes – Series 2 (316L)
Model and Size: ML BA - 15mm, 22mm, 28mm, 35mm, 42mm, 54mm, 76.1mm, 88.9mm, 108mm
ML PEC - 15mm, 22mm, 28mm, 35mm, 42mm, 54mm



WSD Certification (S31603 Stainless Steel Pipes)

水務署
Water Supplies Department
香港灣仔軒士打道七號入境事務大樓
Immigration Tower, 7 Gloucester Road, Hong Kong
電子郵遞 e-mail: wsdinfo@wsd.gov.hk

電話 Telephone: 2824 0578
傳真號碼 Facsimile: 2824 0578
電 號 Reference: (4) in WSD 3321/2025 T/J(1270/2025)

30 January 2026

Bun Kee (International) Limited
Unit 1010-1016, Level 10, Tower II, Grand Century Place,
193 Prince Edward Road West,
Mong Kok, Kowloon
Hong Kong
(Attn.: Mr Barry KU)

Dear Sir,


**Approval of "ML-BK" Stainless Steel Fittings
(General Acceptance No. ZC20260084)**

Your letters ref. BK2025-AC-MLBK-044 and BK2025-AC-MLBK-044(V2) dated 15 December 2025 and 5 January 2026 respectively refer.

Having considered the test report ref. BC-SUMMARY-2025-510 issued on 31 December 2025 by Castco Testing Centre Limited, this Authority accepts that the fittings described below comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Shenzhen Minle Pipe Industry Co Ltd
Country of Origin: Chinese Mainland
Brand: ML-BK
Details of Fittings: Stainless steel fittings with press-fit connection ends (316L)

Description	Model	Size
90° Elbow	ML 90E	15, 22, 28, 35, 42, 54, 76.1, 88.9, 108 (mm)
90° Street Elbow	ML 90ED	15, 22, 28, 35, 42, 54, 76.1, 88.9, 108 (mm)



WSD Certification (S31603 Stainless Steel Fittings)

STAINLESS STEEL WATER PIPE / OO

The ideal vision of Minle is for all people to live and work in peace and prosperity.

- | Sanitation and Public Health |
- | Durability |
- | High-temperature and High-pressure Resistant |
- | Environmental Care |
- | Economical and Practical |

.....





INSPECTION OF FINISHED PRODUCTS / ○○

PIPES

Each pipeline has its own traceability code. After leaving the factory, the pipes can be traced back to each production process and the source of raw materials.

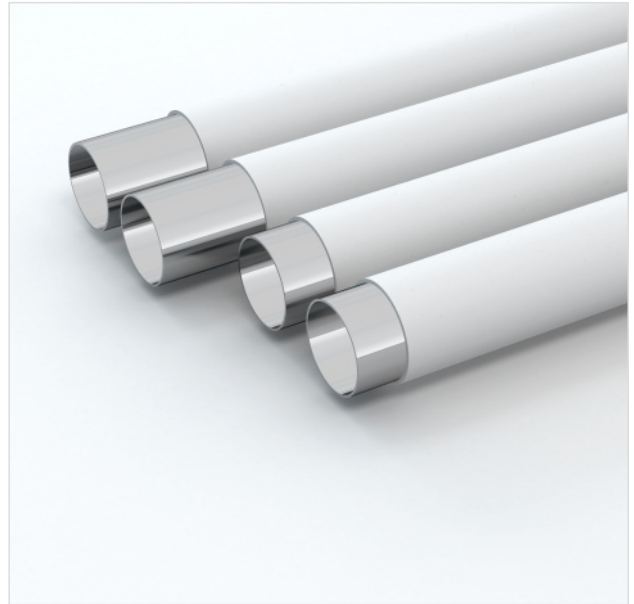
100% through intelligent eddy current testing

100% passed the 2.5Mpa water pressure test

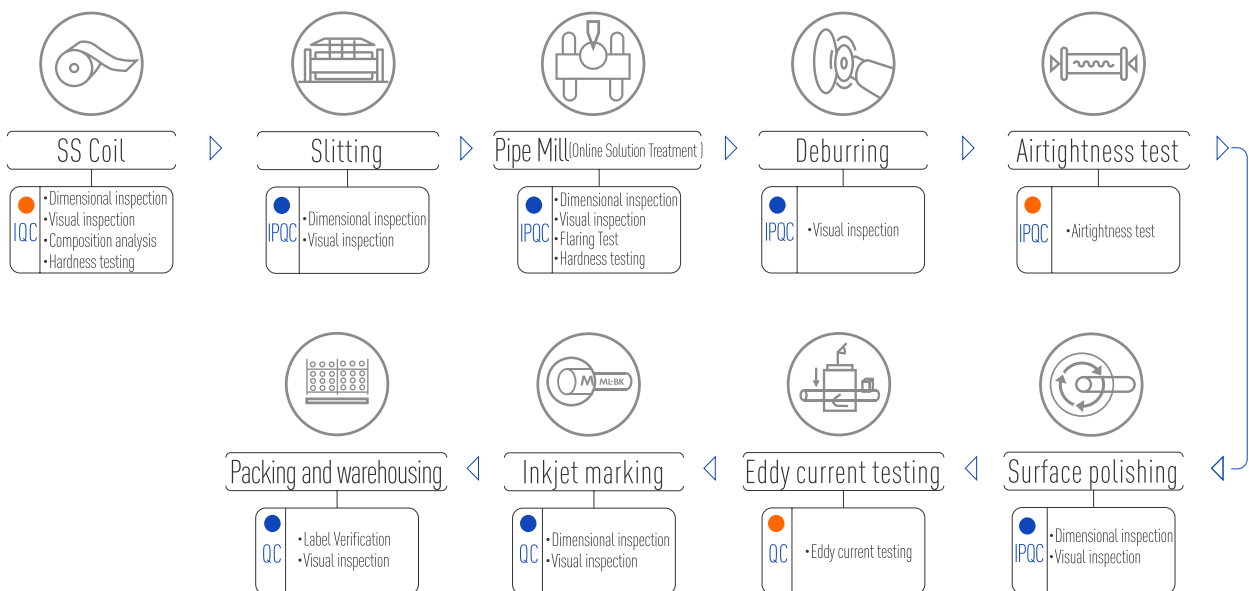
1.3D extension, flanging, and flattening test

Dimensional measurement (outer diameter, thickness, length), visual inspection

Other tests that can meet customer requirements



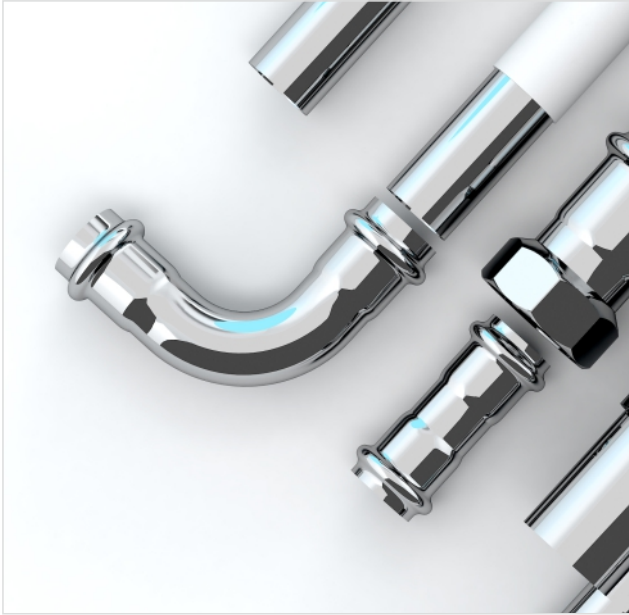
PRODUCTION PROCESS FLOW





INSPECTION OF FINISHED PRODUCTS / ○○

FITTINGS

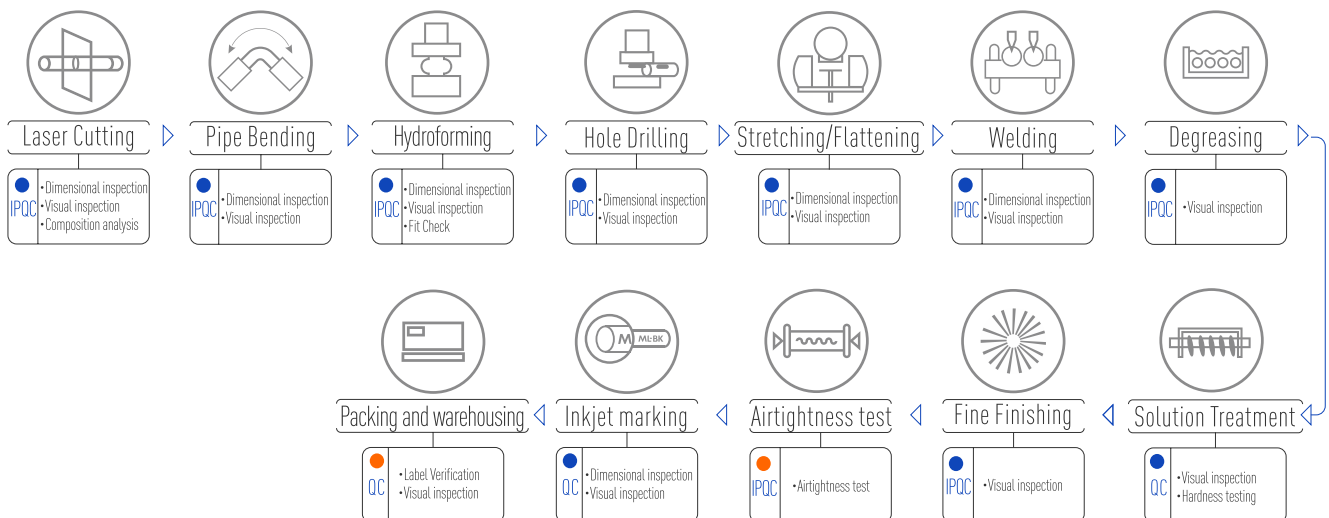


100% measurement through dimensions (outer diameter, thickness, length)

100% passed the airtightness test

100% of the accessories have undergone annealing treatment and passed relevant standard tests such as hardness test, hydrostatic test, salt spray test, intergranular corrosion test, etc. More tests can also be conducted according to customer requirements.

PRODUCTION PROCESS FLOW



● 全檢 100% inspection ● 首檢/巡檢/末檢 FAI / Patrol Inspection / Final Inspection



PRODUCT LIST

Stainless steel pipe, stainless steel Fitting and Hydraulic Installation Tool

material	standard	designation	number	C	Si	Mn	P	S	Ni	Cr	Mo	N
SS304	EN10088-2:2014	X5CrNi18-10	1.4301	≤0.07	≤1.0	≤2.0	≤0.045	≤0.015	8.0-10.5	17.5-19.5		≤0.1
SS316L	EN10088-2:2014	X2CrNiMo17-12-2	1.4404	≤0.03	≤1.0	≤2.0	≤0.045	≤0.015	10.0-13.0	16.5-18.5	2.0-2.5	≤0.1

Bare stainless steel pipe (EN standard) -ML-BA

Outer Diameter	OD tolerance	Thickness	thickness tolerance
15	±0.10	1.0	±0.10
22	±0.11	1.2	±0.10
28	±0.14	1.2	±0.10
35	±0.18	1.5	±0.10
42	±0.21	1.5	±0.10
54	±0.27	1.5	±0.10
64	±0.32	2.0	±0.15
76.1	±0.38	2.0	±0.15
88.9	±0.44	2.0	±0.15
108.0	±0.54	2.0	±0.15

*Standard: EN10312:2002

Stainless steel pipe with PE sheath for cold water application --ML-PEC

PE coated pipe	SS pipe OD	Wall thickness	Coating thickness
15	15±0.1	1.0±0.1	1.1-1.3
22	22±0.11	1.2±0.1	1.1-1.3
28	28±0.14	1.2±0.1	1.1-1.3
35	35±0.18	1.5±0.1	1.1-1.3
42	42±0.21	1.5±0.1	1.1-1.3
54	54±0.27	1.5±0.1	1.1-1.3

Stainless steel pipe with profiled PE sheath for hot water application

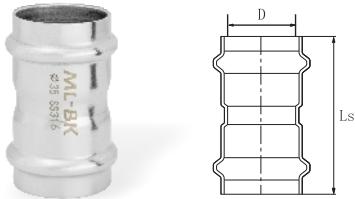
PE coated hot pipe	SS pipe OD	Wall thickness	Coating thickness
15	15±0.1	1.0±0.1	1.8
22	22±0.11	1.2±0.1	1.8
28	28±0.14	1.2±0.1	1.8
35	35±0.18	1.5±0.1	2.5
42	42±0.21	1.5±0.1	2.5
54	54±0.27	1.5±0.1	3.0

Application

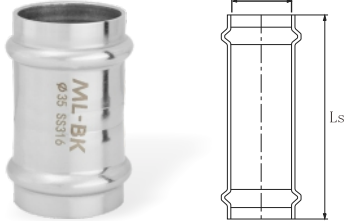
Drinking water	Pressure \leq 20bar, temperature: -30~110°C (other temperatures need to replace the sealing ring) The regular o-ring is EPDM.
Compressed air	
Inert gas	
Hot water	
Fire extinguishing system	
Cooling water	
Rainwater	
Sprinkler	
Flammable gas	Pressure \leq 0.5Mpa; Temperature: -20~100 C. HNBR o-ring is recommended.
Non-toxic, non-flammable gas	Pressure \leq 1.6Mpa; Temperature: -20~100 C HNBR o-ring is recommended.

Fittings Specifications

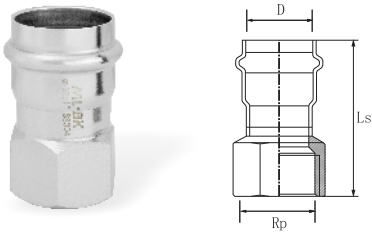
Straight coupler (ML S)

	Product code	D	Ls
	OA9199/OA9399-0301-01501506	15	54±3
	OA9199/OA9399-0301-02202206	22	56±3
	OA9199/OA9399-0301-02802806	28	60±3
	OA9199/OA9399-0301-03503506	35	69±4
	OA9199/OA9399-0301-04204206	42	80±4
	OA9199/OA9399-0301-05405406	54	100±4
	OA9126/OA9399-0301-06506506	76.1	158±5
	OA9126/OA9399-0301-08008006	88.9	165±5
	OA9199/OA9399-0301-10810806	108	190±5

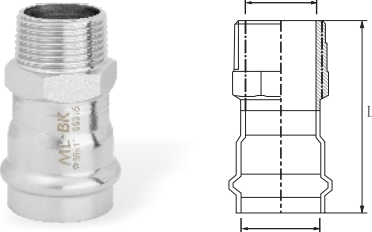
Straight slip coupler (ML SK)

	Product code	D	Ls
	OA9199/OA9399-0305-01501506	15	54±3
	OA9199/OA9399-0305-02202206	22	56±3
	OA9199/OA9399-0305-02802806	28	60±3
	OA9199/OA9399-0305-03503506	35	69±4
	OA9199/OA9399-0305-04204206	42	80±4
	OA9199/OA9399-0305-05405406	54	100±4
	OA9126/OA9399-0305-06506506	76.1	158±5
	OA9126/OA9399-0305-08008006	88.9	165±5
	OA9199/OA9399-0305-10810806	108	190±5

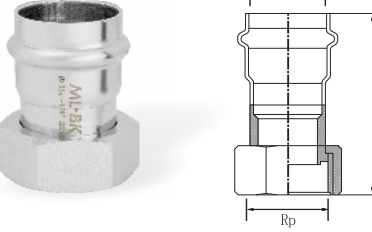
Female Straight Coupler (Reducer) (ML SF)

	Product code	DxRp	Ls
	OA9199/OA9399-0604-01501206	15×1/2"	50±3
OA9199/OA9399-0604-02203406	22×3/4"	53±3	
OA9199/OA9399-0604-02810006	28×1"	64.5±3	
OA9199/OA9399-0604-03511406	35×1-1/4"	72±3	
OA9199/OA9399-0604-04211206	42×1-1/2"	75±3	
OA9199/OA9399-0604-05420006	54×2"	91±3	
OA9126/OA9399-0604-06521206	76.1×2-1/2"	104±3	
OA9126/OA9399-0604-08030006	88.9×3	112±3	
OA9199/OA9399-0604-10840006	108×4"	159±4	

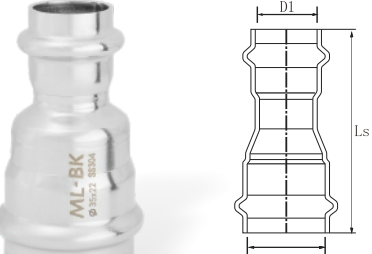
Male Straight Coupler (Reducer) (ML SM)

	Product code	DxR1	Ls
	OA9199/OA9399-0605-01501206	15×1/2"	56±3
OA9199/OA9399-0605-02203406	22×3/4"	58±3	
OA9199/OA9399-0605-02810006	28×1"	68±3	
OA9199/OA9399-0605-03511406	35×1-1/4"	75±3	
OA9199/OA9399-0605-04211206	42×1-1/2"	80±3	
OA9199/OA9399-0605-05420006	54×2"	98±3	

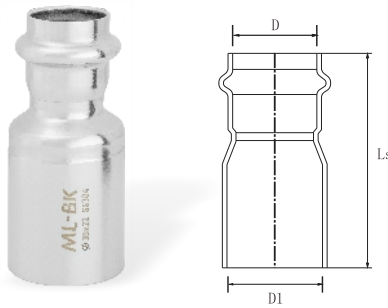
Union Adapter (ML UN)

	Product code	DxRp	Ls
	OA9199/OA9399-0612-01501206	15×1/2"	42±3
OA9199/OA9399-0612-02203406	22×3/4"	48.5±3	
OA9199/OA9399-0612-02810006	28×1"	53.5±3	
OA9199/OA9399-0612-03511406	35×1-1/4"	62±3	
OA9199/OA9399-0612-04211206	42×1-1/2"	65±3	
OA9199/OA9399-0612-05420006	54×2"	74±3	

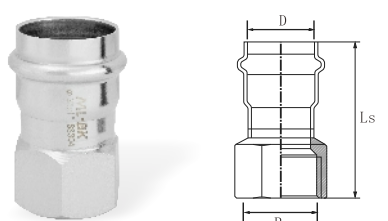
Reducing Coupling (ML SR)

	Product code	DxD1	Ls
	OA9199/OA9399-0302-02201506	22×15	69±5
OA9199/OA9399-0302-02801506	28×15	76.5±4	
OA9199/OA9399-0302-02802206	28×22	65±4	
OA9199/OA9399-0302-03501506	35×15	83.5±5	
OA9199/OA9399-0302-03502206	35×22	81±5	
OA9199/OA9399-0302-03502806	35×28	74±4	
OA9199/OA9399-0302-04202806	42×28	90±5	
OA9199/OA9399-0302-04203506	42×35	83±4	
OA9199/OA9399-0302-05402806	54×28	101±5	
OA9199/OA9399-0302-05403506	54×35	108±5	
OA9199/OA9399-0302-05404206	54×42	142±4	
OA9199/OA9399-0302-07604206	76.1×42	157±5	
OA9199/OA9399-0302-07605406	76.1×54	166±5	
OA9199/OA9399-0302-08804206	88.9×42	157±5	
OA9199/OA9399-0302-08805406	88.9×54	160±5	
OA9126/OA9399-0302-08006506	88.9×76.1	191±5	
OA9199/OA9399-0302-10805406	108×54	178±5	
OA9199/OA9399-0302-10807606	108×76.1	208±5	
OA9199/OA9399-0302-10808806	108×88.9	196±5	

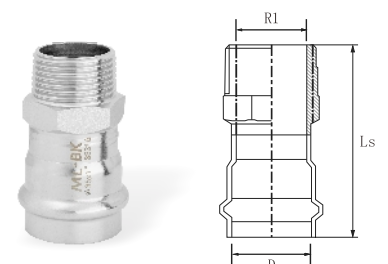
Reducer with Plain End (ML SRP)

	Product code	DxD1	Ls
	OC9128/OC9399-0302-02201506	22x15	70±4
OC9128/OC9399-0302-02801506	28x15	77±4	
OC9128/OC9399-0302-02802206	28x22	66±4	
OC9128/OC9399-0302-03501506	35x15	83±4	
OC9128/OC9399-0302-03502206	35x22	81±4	
OC9128/OC9399-0302-03502806	35x28	74±4	
OC9128/OC9399-0302-04202206	42x22	87±4	
OC9128/OC9399-0302-04202806	42x28	90±4	
OC9128/OC9399-0302-04203506	42x35	83±4	
OC9128/OC9399-0302-05402206	54x22	97±4	
OC9128/OC9399-0302-05402806	54x28	101±4	
OC9128/OC9399-0302-05403506	54x35	108±4	
OC9128/OC9399-0302-05404206	54x42	142±4	
OC9128/OC9399-0302-07905406	76.1x54	165±4	
OC9128/OC9399-0302-08805406	88.9x54	159±4	
OC9128/OC9399-0302-08806506	88.9x76.1	191±4	
OC9128/OC9399-0302-10805406	108x54	178±4	
OC9128/OC9399-0302-10806506	108x76.1	208±4	
OC9128/OC9399-0302-10808006	108x88.9	203±4	

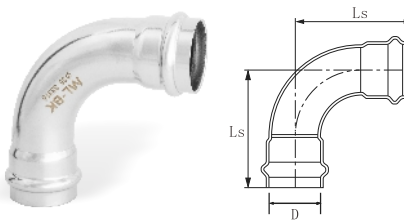
Female Straight Coupler (ML SF)

	Product code	DxRp	Ls
	OA9199/OA9399-0604-02201206	22×1/2"	52±3
OA9199/OA9399-0604-02803406	28×3/4"	59±3	
OA9199/OA9399-0604-03510006	35×1"	69.5±3	
OA9199/OA9399-0604-04211406	42×1-1/4"	75±3	
OA9199/OA9399-0604-05411206	54×1-1/2"	89±3	

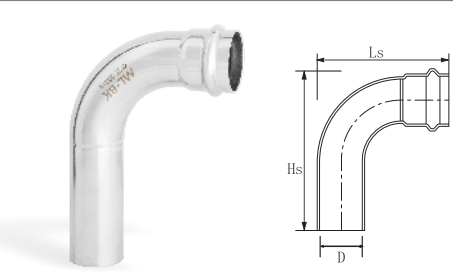
Male Straight Coupler (ML SM)

	Product code	DxR1	Ls
	OA9199/OA9399-0605-02201206	22×1/2"	56±3
OA9199/OA9399-0605-02801206	28×1/2"	71±3	
OA9199/OA9399-0605-02803406	28×3/4"	63±3	
OA9199/OA9399-0605-03501206	35×1/2"	78±3	
OA9199/OA9399-0605-03503406	35×3/4"	79.5±3	
OA9199/OA9399-0605-03510006	35×1"	72.5±3	
OA9199/OA9399-0605-04201206	42×1/2"	84±3	
OA9199/OA9399-0605-04210006	42×1"	87.5±3	
OA9199/OA9399-0605-04211406	42×1-1/4"	78±3	
OA9199/OA9399-0605-05411206	54×1-1/2"	92±3	

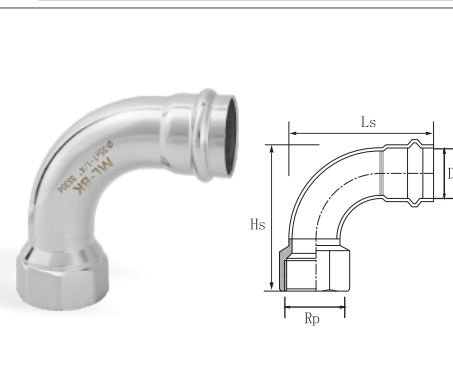
90° ELBOW (ML 90E)

	Product code	D	Ls
	OA9199/OA9399-0201-01501506	15	60.4±3
OA9199/OA9399-0201-02202206	22	76.1±3	
OA9199/OA9399-0201-02802806	28	90.1±3	
OA9199/OA9399-0201-03503506	35	107.9±4	
OA9199/OA9399-0201-04204206	42	130.4±4	
OA9199/OA9399-0201-05405406	54	157.4±4	
OA9126/OA9399-0201-06506506	76.1	202.9±5	
OA9126/OA9399-0201-08008006	88.9	237.6±5	
OA9199/OA9399-0201-10810806	108	316.2±5	

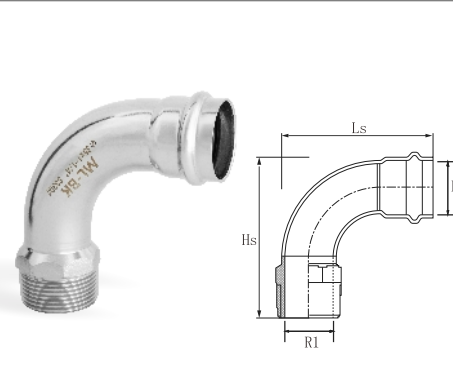
90° Street ELBOW (ML 90ED)

	Product code	D	LS	HS
	OA9199/OA9399-0202-01501506	15	60±3	64±3
OA9199/OA9399-0202-02202206	22	75±3	79±3	
OA9199/OA9399-0202-02802806	28	89±3	93±3	
OA9199/OA9399-0202-03503506	35	107±4	149±4	
OA9199/OA9399-0202-04204206	42	129±4	194±4	
OA9199/OA9399-0202-05405406	54	156±4	231±4	
OA9126/OA9399-0202-06506506	76.1	201±5	288±5	
OA9126/OA9399-0202-08008006	88.9	235±5	332±5	
OA9199/OA9399-0202-10810806	108	314±5	415±5	

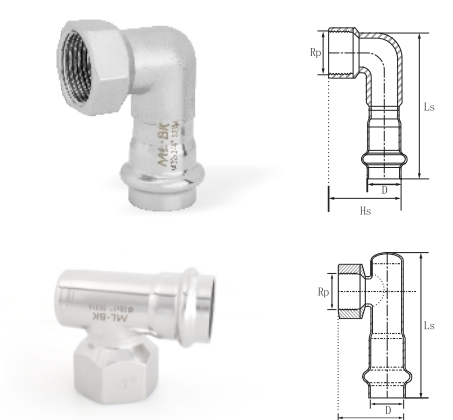
90° Bend with Female Thread (ML 90EF)

	Product code	DxRp	Ls	Hs
	OA9199/OA9399-0602-01501206	15×1/2"	60±3	55±3
OA9199/OA9399-0602-02203406	22×3/4"	75±3	68±3	
OA9199/OA9399-0602-02810006	28×1"	89±3	87±3	
OA9199/OA9399-0602-03511406	35×1-1/4"	106.5±4	104±4	
OA9199/OA9399-0602-04211206	42×1-1/2"	129±4	117±4	
OA9199/OA9399-0602-05420006	54×2"	156±4	145±4	
OA9199/OA9399-0602-02201206	22×1/2"	75±3	67.5±4	
OA9199/OA9399-0602-02801206	28×1/2"	89±3	91.5±4	
OA9199/OA9399-0602-02803406	28×3/4"	89±3	81.5±4	
OA9199/OA9399-0602-03501206	35×1/2"	106.5±4	108±4	
OA9199/OA9399-0602-03510006	35×1"	106.5±4	102±4	
OA9199/OA9399-0602-04211406	42×1-1/4"	129±4	117±4	

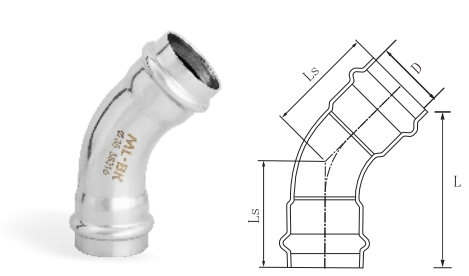
90° Bend with Male Thread (ML 90EM)

	Product code	DxRp	Ls	Hs
	OA9199/OA9399-0603-01501206	15×1/2"	60±3	57±3
OA9199/OA9399-0603-02203406	22×3/4"	75±3	73±3	
OA9199/OA9399-0603-02810006	28×1"	89±3	90±3	
OA9199/OA9399-0603-03511406	35×1-1/4"	106.5±4	107±4	
OA9199/OA9399-0603-04211206	42×1-1/2"	129±4	122±4	
OA9199/OA9399-0603-05420006	54×2"	156±4	152±4	
OA9199/OA9399-0603-02201206	22×1/2"	75±3	71±4	
OA9199/OA9399-0603-02801206	28×1/2"	89±3	93.5±4	
OA9199/OA9399-0603-02803406	28×3/4"	89±3	85±4	
OA9199/OA9399-0603-03510006	35×1"	106.5±4	105±4	
OA9199/OA9399-0603-04211406	42×1-1/4"	129±4	123±4	
OA9199/OA9399-0603-05411206	54×1-1/2"	156±4	144±4	

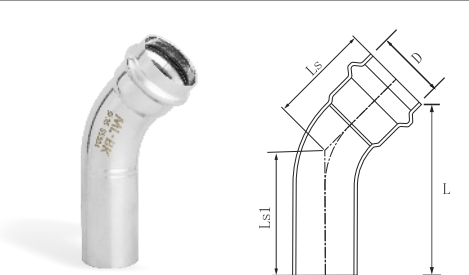
90° Elbow with Female Thread (ML 90EFZ)

	Product code	DxRp	Ls	Hs
	OA9199/OA9399-0601-01501206	15×1/2"	71±3	42±2
OA9199/OA9399-0601-02203406	22×3/4"	67±3	46±2	
OA9199/OA9399-0601-02201206	22×1/2"	67±3	46±2	
OA9199/OA9399-0601-02810006	28×1"	71±4	31.5±3	

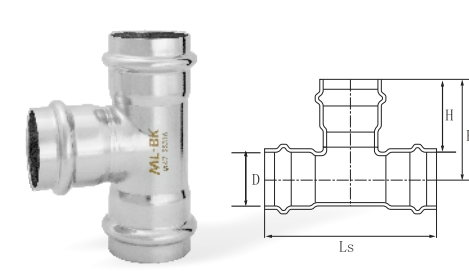
45° Obtuse Elbow (ML 45E)

	Product code	D	Ls	L
	OA9199/OA9399-0203-01501506	15	39±3	60.5±3
OA9199/OA9399-0203-02202206	22	45±3	68±3	
OA9199/OA9399-0203-02802806	28	51±3	76±3	
OA9199/OA9399-0203-03503506	35	58±4	85±4	
OA9199/OA9399-0203-04204206	42	71±4	105±4	
OA9199/OA9399-0203-05405406	54	84±4	123±4	
OA9126/OA9399-0203-06506506	76.1	113±5	167±5	
OA9126/OA9399-0203-08008006	88.9	122±5	192±8	
OA9199/OA9399-0203-10810806	108	166±5	244±8	

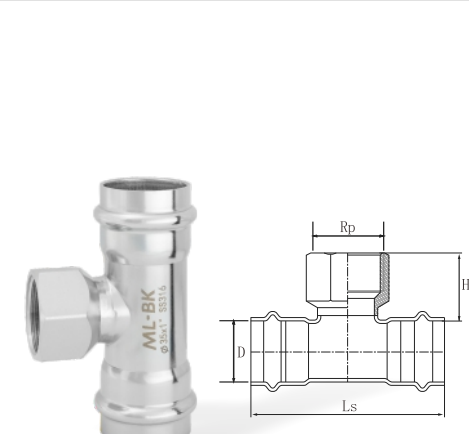
45° Obtuse Street Elbow (ML 45ED)

	Product code	D	Ls	Ls1	L
	OA9199/OA9399-0401-01501506	15	39±3	41±3	62±3
OA9199/OA9399-0401-02202206	22	45±3	48±3	71±3	
OA9199/OA9399-0401-02802806	28	51±3	54±3	79±3	
OA9199/OA9399-0401-03503506	35	58±4	81±4	108±4	
OA9199/OA9399-0401-04204206	42	71±4	99±4	133±4	
OA9199/OA9399-0401-05405406	54	84±4	127±4	166±4	
OA9126/OA9399-0401-06506506	76.1	113±5	197±5	250±5	
OA9126/OA9399-0401-08008006	88.9	122±5	214±5	267±5	
OA9199/OA9399-0401-10810806	108	166±5	275±5	352±5	

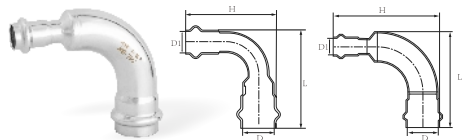
Equal Tee (ML 3T)

	Product code	D	Ls	Hs	H
	OA9199/OA9399-0401-01501506	15	74±2	45±2	37.5±2
OA9199/OA9399-0401-02202206	22	80±2	47±2	36±2	
OA9199/OA9399-0401-02802806	28	90±2	56±2	42±2	
OA9199/OA9399-0401-03503506	35	107±3	59.5±3	42±3	
OA9199/OA9399-0401-04204206	42	124±3	66.5±3	45.5±3	
OA9199/OA9399-0401-05405406	54	164±3	84.5±3	57.5±3	
OA9126/OA9399-0401-06506506	76.1	237±5	120±5	78.5±5	
OA9126/OA9399-0401-08008006	88.9	263±5	132±5	85.5±5	
OA9199/OA9399-0401-10810806	108	310±5	151.5±5	97.5±5	

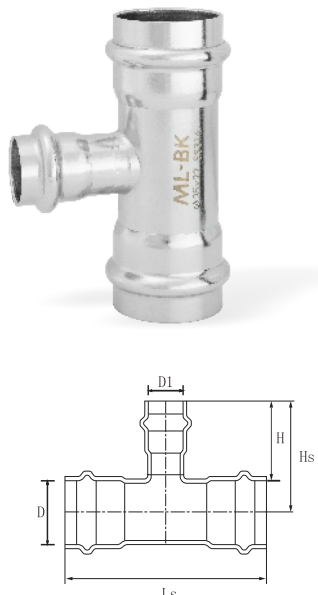
Tee with Female Branch (ML 3TF)

	Product code	DxRp	Ls	Hs
	OA9199/OA9399-0606-01501206	15×1/2"	74±2	25±2
OA9199/OA9399-0606-02203406	22×3/4"	80±2	24±2	
OA9199/OA9399-0606-02810006	28×1"	90±2	31.5±2	
OA9199/OA9399-0606-03511406	35×1-1/4"	107±3	34±3	
OA9199/OA9399-0606-04211206	42×1-1/2"	124±3	34.5±3	
OA9199/OA9399-0606-05420006	54×2"	164±3	38.5±3	
OA9199/OA9399-0606-02201206	22×1/2"	80±2	24±2	
OA9199/OA9399-0606-02801206	28×1/2"	90±2	25±2	
OA9199/OA9399-0606-02803406	28×3/4"	90±2	24±2	
OA9199/OA9399-0606-03501206	35×1/2"	107±3	25±3	
OA9199/OA9399-0606-03503406	35×3/4"	107±3	24±3	
OA9199/OA9399-0606-03510006	35×1"	107±3	31.5±3	
OA9199/OA9399-0606-04201206	42×1/2"	124±3	25±3	
OA9199/OA9399-0606-04203406	42×3/4"	124±3	24±3	
OA9199/OA9399-0606-04210006	42×1"	124±3	31.5±3	
OA9199/OA9399-0606-04211406	42×1-1/4"	124±3	34±3	
OA9199/OA9399-0606-05401206	54×1/2"	164±3	25±3	
OA9199/OA9399-0606-05403406	54×3/4"	164±3	24±3	
OA9199/OA9399-0606-05410006	54×1"	164±3	31.5±3	
OA9199/OA9399-0606-05411206	54×1-1/2"	164±3	34.5±3	
OA9199/OA9399-0606-10820006	108×2"	310±5	38.5±4	

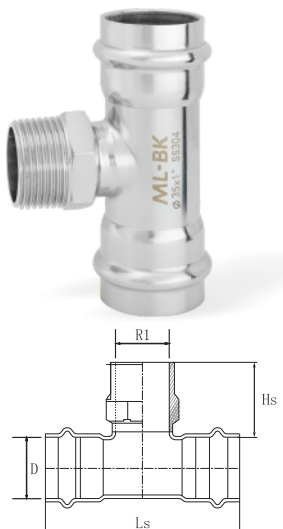
Reducing 90° Bend (ML 90RE)

	Product code	D1xD2	L	H
	OC9199/OC9399-0220-01502200	22x15	64±3	70±4
	OC9199/OC9399-0220-02801500	28x15	89±3	98±4

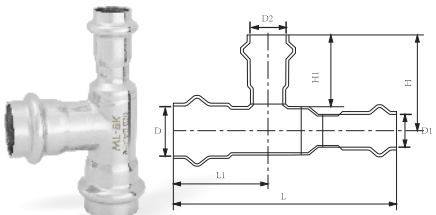
Reducing Branch Tee (ML 3TR)

	Product code	DxD1	Ls	Hs	H
	OA9199/OA9399-0402-02201506	22x15	80±2	43±2	32±2
	OA9199/OA9399-0402-02801506	28x15	90±2	44.5±2	32±2
	OA9199/OA9399-0402-02802206	28x22	90±2	50±3	36±3
	OA9199/OA9399-0402-03501506	35x15	107±2	49.5±2	32±2
	OA9199/OA9399-0402-03502206	35x22	107±2	53.5±3	36±3
	OA9199/OA9399-0402-03502806	35x28	107±2	54.5±3	37±3
	OA9199/OA9399-0402-04201506	42x15	124±3	53±2	32±2
	OA9199/OA9399-0402-04202206	42x22	124±3	57±3	36±3
	OA9199/OA9399-0402-04202806	42x28	124±3	58±3	37±3
	OA9199/OA9399-0402-04203506	42x35	124±3	63±3	42±3
	OA9199/OA9399-0402-05401506	54x15	164±3	59±2	32±2
	OA9199/OA9399-0402-05402206	54x22	164±3	63±3	36±3
	OA9199/OA9399-0402-05402806	54x28	164±3	64±3	37±3
	OA9199/OA9399-0402-05403506	54x35	164±3	69±4	42±4
	OA9199/OA9399-0402-05404206	54x42	164±3	72.5±4	45.5±4
	OA9199/OA9399-0402-07604206	76.1x42	237±5	83.6±4	45.5±4
	OA9199/OA9399-0402-07605406	76.1x54	237±5	85.6±4	47.5±4
	OA9199/OA9399-0402-08805406	88.9x54	263±5	96±4	51.5±4
	OA9126/OA9399-0402-08806506	88.9x76.1	263±5	127±5	82.5±5
	OA9199/OA9399-0402-10802206	108x22	310±5	90±3	36±3
	OA9199/OA9399-0402-10802806	108x28	310±5	91±3	37±3
	OA9199/OA9399-0402-10803506	108x35	310±5	96±4	42±4
	OA9199/OA9399-0402-10804206	108x42	310±5	99.5±4	45.5±4
	OA9199/OA9399-0402-10805406	108x54	310±5	101.5±4	47.5±4
	OA9199/OA9399-0402-10807606	108x76.1	310±5	136.5±5	82.5±5
	OA9199/OA9399-0402-10808806	108x88.9	310±5	141.5±5	87.5±5

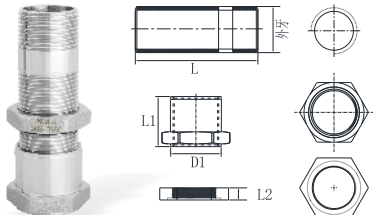
Tee With Male Branch (ML 3TM)

	Product code	DxR1	Ls	Hs
	OA9199/OA9399-0607-01501206	15x1/2"	74±2	27±2
	OA9199/OA9399-0607-02203406	22x3/4"	80±2	29±2
	OA9199/OA9399-0607-02810006	28x1"	90±2	35±2
	OA9199/OA9399-0607-03511406	35x1-1/4"	107±3	37±3
	OA9199/OA9399-0607-04211206	42x1-1/2"	124±3	39.5±3
	OA9199/OA9399-0607-05420006	54x2"	164±3	45.5±3
	OA9199/OA9399-0607-02201206	22x1/2"	80±2	27±2
	OA9199/OA9399-0607-02803406	28x3/4"	90±2	29.5±2
	OA9199/OA9399-0607-03501206	35x1/2"	107±3	27±3
	OA9199/OA9399-0607-03503406	35x3/4"	107±3	29.5±3
	OA9199/OA9399-0607-03510006	35x1"	107±3	35±3
	OA9199/OA9399-0607-04201206	42x1/2"	124±3	27±3
	OA9199/OA9399-0607-04203406	42x3/4"	124±3	29.5±3
	OA9199/OA9399-0607-04210006	42x1"	124±3	35±3
	OA9199/OA9399-0607-04211406	42x1-1/4"	124±3	37±3
	OA9199/OA9399-0607-05401206	54x1/2"	164±3	27±3
	OA9199/OA9399-0607-05403406	54x3/4"	164±3	29.5±3
	OA9199/OA9399-0607-05410006	54x1"	164±3	35±3
	OA9199/OA9399-0607-05411406	54x1-1/4"	164±3	37±3
	OA9199/OA9399-0607-05411206	54x1-1/2"	164±3	39.5±3

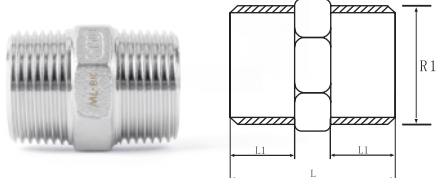
P-Tee (ML PT)

	Product code	DxD1xD2	L	L1	H	H1
	OC9199/OC9399-0405-02201515	22x15x15	94±4	40±2	43±3	32±3
	OC9199/OC9399-0405-02201522	22x15x22	95±4	40±2	47±3	36±3
	OC9199/OC9399-0405-02802228	28x22x28	92±4	45±2	56±3	42±3

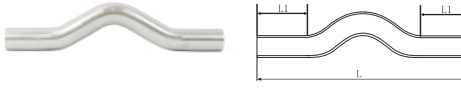
Stainless Steel Long Screw Connector (ML SS Longscrew)

	Product code	DN	L	L1	L2	D1	絲牙
	528-0102/0302-001	20	87 ±1	32.5 ±1	8.5±1	30.3±0.5	3/4"
	528-0103/0303-001	25	98.2±1	35±1	9.4±1	37.2±0.5	1"
	528-0104/0304-001	32	110.4±1	45.1±1	10.9±1	45.7±0.5	1-1/4"
	528-0105/0305-001	40	112.6±1	50±1	12.4±1	54.5±0.5	1-1/2"
	528-0106/0306-001	50	124.5±1	60±1	12±1	65±0.5	2"

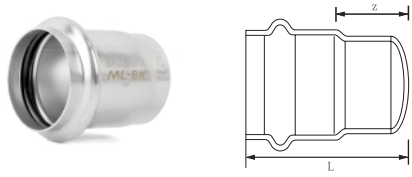
Hex Nipple

	Product code	R1	L	L1
	0520-0101/0301-012	1/2"	15±0.1	38.5±0.1
	0520-0101/0301-034	3/4"	15±0.1	38.5±0.1
	0520-0101/0301-100	1"	17.5±0.1	43.5±0.1
	0520-0101/0301-114	1-1/4"	20±0.1	51±0.1
	0520-0101/0301-112	1-1/2"	22±0.1	55±0.1
	0520-0101/0301-200	2"	21±0.1	58±0.1
	0520-0101/0301-212	2-1/2"	23.5±0.1	60±0.1
	0520-0101/0301-300	3"	27.5±0.1	73.5±0.1
	0520-0101/0301-400	4"	35±0.1	103.5±0.1


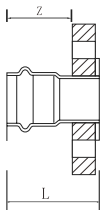
Crossover

	Product code	DN	L	L1
	OA9199/OA9399-0205-01501500	15	190±5	30.8±2
	OA9199/OA9399-0205-01801800	18	210±5	30.8±2
	OA9199/OA9399-0205-02202200	22	210±5	30.8±2
	OA9199/OA9399-0205-02802800	28	250±5	50.8±2


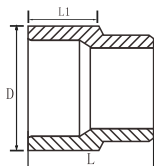
Cap (ML V)

	Product code	DN	L	z
	OA9199/OA9399-0306-01501506	15	40±3	17±0.5
	OA9199/OA9399-0306-01801806	18	36.5±3	14.5±0.5
	OA9199/OA9399-0306-02202206	22	40±3	17±0.5
	OA9199/OA9399-0306-02802806	28	45±3	20±0.5
	OA9199/OA9399-0306-03503506	35	51±3	22±0.5
	OA9199/OA9399-0306-04204206	42	52±3	17±0.5
	OA9199/OA9399-0306-05405406	54	59.5±3	14.5±0.5
	OA9199/OA9326-0306-06506506	76.1	106±4	46±0.5
	OA9199/OA9326-0306-08008006	88.9	120±4	50±0.5
	OA9199/OA9399-0306-10810806	108	111±4	29±0.5



Expoxy coat Flange

 	Product code	DN	L	Z
	OY9199/OY9399-0702-02802816	28	61±3	47±2
OY9199/OY9399-0702-03503516	35	66±3	52±2	
OY9199/OY9399-0702-04204216	42	82±3	66±2	
OY9199/OY9399-0702-05405416	54	89±3	71±2	
OY9126/OY9399-0702-06506516	76.1	98±3	78±2	
OY9126/OY9399-0702-08008016	88.9	110±4	90±2	
OY9199/OY9399-0702-10810816	108	128±4	106±2	

Transition coupling (ML F/M)

 	Product code	DN	D	L	L1
	0520-0103/0303-012	1/2"	33	36±3	21±2
0520-0103/0303-034	3/4"	35.2	35±3	20±2	
0520-0103/0303-100	1"	39.4	38±3	20±2	
0520-0103/0303-114	1-1/4"	48.1	49±3	28.5±2	
0520-0103/0303-112	1-1/2"	54.6	51±3	30±2	
0520-0103/0303-200	2"	66.2	59±3	32.4±2	

HexBushing

 	Product code	DN	L	L1
	0520-0113/0313-001	3/4"-1/2"	24.5±2	9±1
0520-0113/0313-002	1-1/2"	27±2	10±1	
0520-0113/0313-003	1-3/4"	27±2	9±1	
0520-0113/0313-004	11/4"-1/2"	25±2	8±1	
0520-0113/0313-005	11/4"-3/4"	25±2	8±1	
0520-00113/313-006	11/4"-1"	25±2	7±1	
0520-0113/0313-007	11/2"-1/2"	25±2	10±1	
0520-0113/0313-008	11/2"-3/4"	25±2	8±1	
0520-0113/0313-009	11/2"-1"	27±2	9±1	
0520-0113/0313-010	11/2"-11/4"	27±2	9±1	
0520-0113/0313-011	2"-1/2"	29±2	9±1	
0520-0113/0313-012	2"-3/4"	30±2	9±1	
0520-0113/0313-013	2"-1"	30±2	11±1	
0520-0113/0313-014	2"-11/4"	29±2	10±1	
0520-0113/0313-015	2-11/2"	29±2	10±1	
0520-0113/0313-016	3"-2"	35±2	13±1	
0520-0113/0313-017	4"-3"	50±2	20±1	

Type of Water Manifold

regular type



with both threads at
each side of the main pipe



two rows of outlets
with 180°



* Water manifold can be customized

INTRODUCTION OF PRESS TOOL / ○○

RIDGID pres tool

- High Precision and efficiency , Stable and durable
- Light and labor-saving, Safe and long service life
- 270° rotary tong head to meet various kinds of working condition



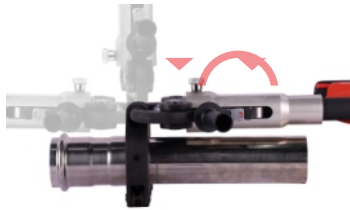
RP306



RP318

MODEL	RP306	RP318
Rated Pressure	32KN (single valve)	32KN (double valves)
Weight	2.6kg(excluding battery) 3kg (including 2.5Ah battery)	2.9kg(excluding battery) 3.3kg (including 2.5Ah battery)
Batery Specificacon	18v 2.5Ah Samsung battery cell, 45minute fast charging lithum battery (charging capacity display)	
Crimping Range	Stainless Steel pipe: OD15~54mm	
Crimping Times (Full batery)	200~400times (according to different pipe diameters)	
Crimping Cycle	7 seconds	
LED Light	YES	
LED Screen	NO	YES

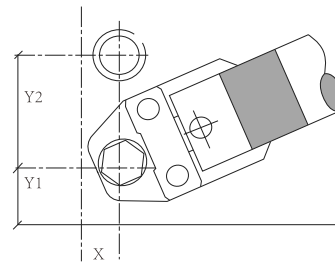
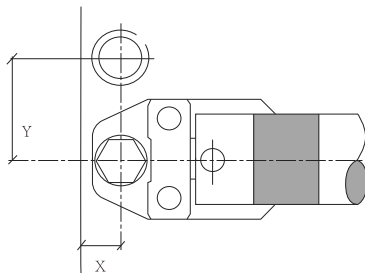
RIDGID press tool



MODEL	RP680
Rated Pressure	65KN
Weight	4.98kg(excluding battery)
Battery Specification	18v 2.5Ah Samsung battery cell
Crimping Range	OD76.1~108mm
Crimping Cycle	10-25 seconds

Space required for the pressing process

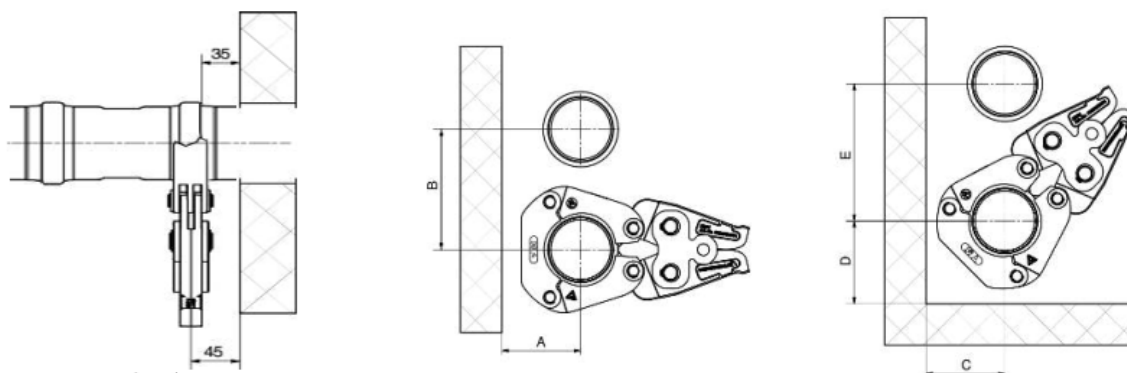
The following minimum clearances are required from structural components to allow operation of tool for press fitting



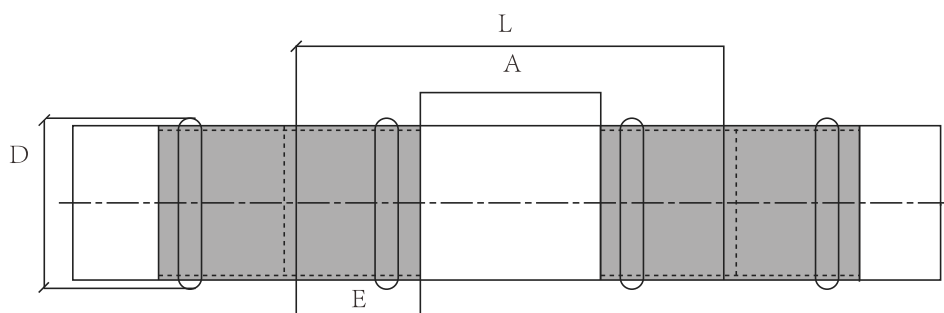
Space required for the pressing process between fittings		
External tube Size mm	X mm	Y mm
15	26	53
22	26	54
28	33	69
35	33	73
42	75	115
54	85	120

Space required for the pressing process between fittings			
External tube Size mm	X mm	Y1 mm	Y2 mm
15	31	45	73
22	31	45	76
28	38	55	80
35	38	55	85
42	75	75	115
54	85	85	140

Size (mm)	Minimum clearance required for the pressing process				
	A	B	C	D	E
76.1	100	145	100	100	165
88.9	115	165	115	120	185
108	125	185	125	130	210



Insertion depth and minimum distances between pressings



Minimum distance between pressings	
Size	A - Minimum distance (mm)
15	30
22	30
28	30
35	50
42	50
54	50
76.1	60
88.9	80
108	80



OPERATION GUIDE / ○ ○

INSTALLATION PROCEDURE



1. Cutting

Confirm the pipe length needed, and cold cut it with approved burr-free cutters. Oxy-acetylene torches and abrasive cut-off wheels are not suitable.



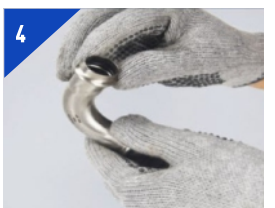
2. Deburring

Carefully deburr all pipe cuts inside and outside with a deburrer. Remove any cutting residue thoroughly.



3. Assess mark inserton depth

Mark the pipe with a fine-point felt pen where it meets the fitting for verification of full insertion.



4. Check the o-ring

Check the positioning of the o-ring. For o-ring inspection and preparation, first check the position and condition of the o-ring within the fitting, then confirm that both the pipe and fittings are free of oil, contaminants, and sundries. If necessary, make sure that the pipe and fittings are clean, no oil and sundries are covered on it.



5. Inserting the pipe in fitting

The pipe is inserted in the fitting with a slight rotating motion until it hits the stop. Check the pipe against the felt pen mark to ensure complete insertion. And the insertion should not be forced at an angle, which will easily cause damage to the o-ring.



6. Pressing

Position the jaw over the fitting, creating a perfect fit with the internal channel of the jaw around the toroidal seat of the fitting. Make sure that the jaws are perpendicular to the joint, and squeeze the trigger to initiate the press cycle, holding it down for the full duration of press cycle.



OPERATION GUIDE / ○ ○

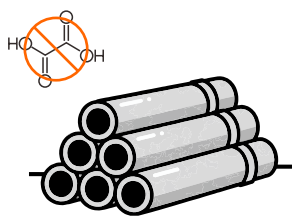
Notes on Pipeline Installation

I. Handling and Storage of Products

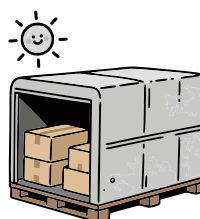
1. Handling: Handle with care; do not throw, drop, roll, or drag the products to avoid deformation and surface damage.
2. Storage: Do not store outdoors, and do not mix with materials like angle iron and steel bars. Avoid direct contact with acidic or alkaline chemicals or sand.



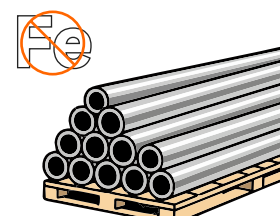
Handle with Care. Do Not Throw



No Chemical Contact.



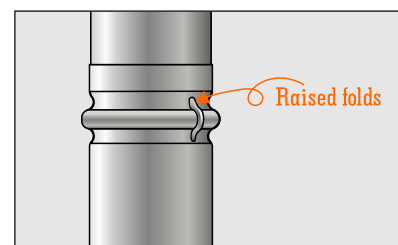
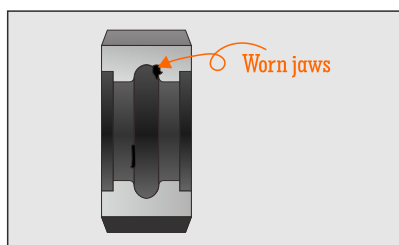
No Outdoor Storage.



Do Not Mix with Other Metals.

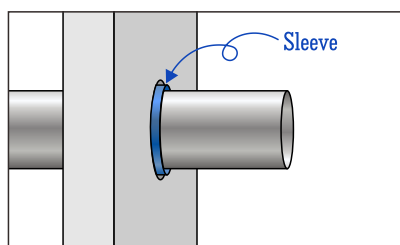
II. Use of Tools

For double crimp installation, use the manufacturer's recommended jaws as much as possible and regularly lubricate them for maintenance. Construction should be halted and the manufacturer contacted if any issues arise.

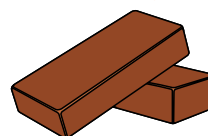


III. Pipe Penetration through Walls, Concealment, and Insulation

1. When pipes penetrate walls, a sleeve must be installed. Do not use filling materials containing chloride ions.



Prohibit the use
of chlorine containing fireproof mud



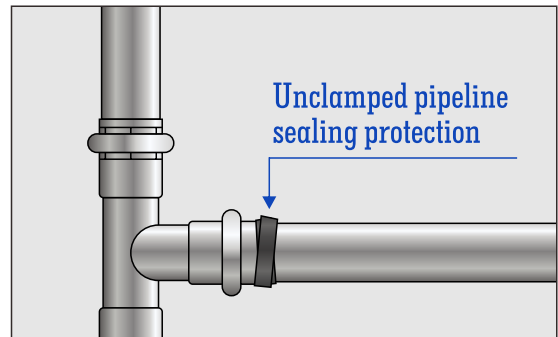
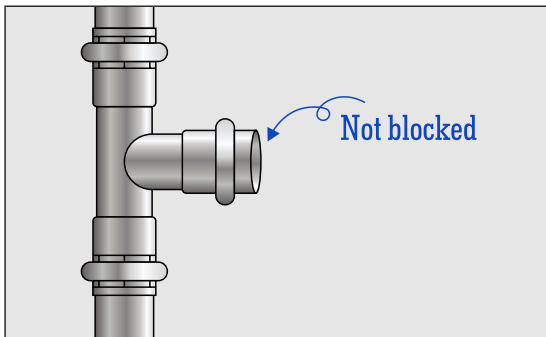
2. For concealed pipes, anti-corrosion treatment is necessary. It is recommended to use plastic-coated pipes or anti-corrosion pipes. At joints, heat shrink sleeves or PE anti-corrosion tape can be used.
3. For pipe insulation, do not use materials or adhesives containing chlorine. PE insulated pipes or polyurethane specialized insulation pipes are recommended.

V. Pipe Supports

1. The spacing of fixed supports for pipes should not exceed 15 meters. Fixed supports should be placed at points of diameter change, branches, connections, and both sides of load-bearing walls and floors that the pipes pass through.
2. When using metal clamps or hangers, a soft material such as plastic strips or rubber should be placed between the metal clamp or hanger and the pipe.

VI. Pipe Protection

Incomplete pipe sections should be sealed to prevent sand and dust from entering, which could cause leaks.



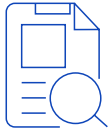


ENTERPRISE CASE / ○○

30000⁺ ENGINEERING PROJECT CASES

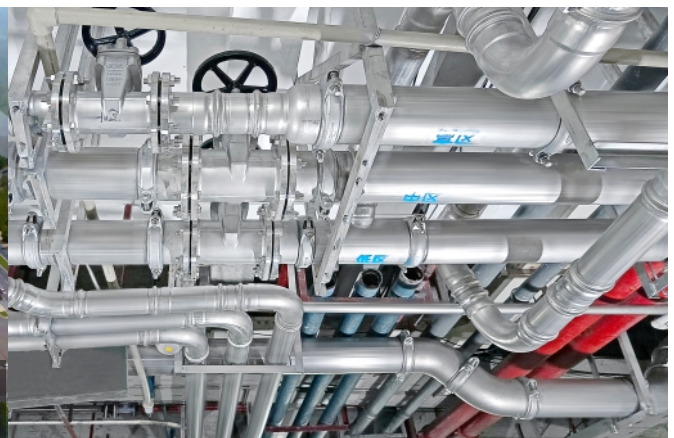


So far, we have provided over 30000 service cases, including the Great Hall of the People in Beijing, the Forbidden City in Beijing, the Tongzhou City Sub Center in Beijing, the Hong Kong Zhuhai Macao Bridge, Shanghai Disneyland, Shenzhen Jingji 100, Guangzhou Chow Tai Fook Financial Center, numerous five-star hotels in China such as Shangri La, Hilton, Kempinski, Wanda, as well as national key projects such as the Olympic Games, Asian Games, and Universiade. We have also established strategic partnerships and shortlisted brand libraries with well-known real estate companies such as Wanda Real Estate, Greentown E-commerce, Poly Real Estate, and Far East Construction, as well as over 100 water management groups/companies nationwide. We will wholeheartedly create quality engineering, boutique engineering, and trustworthy engineering for our customers.



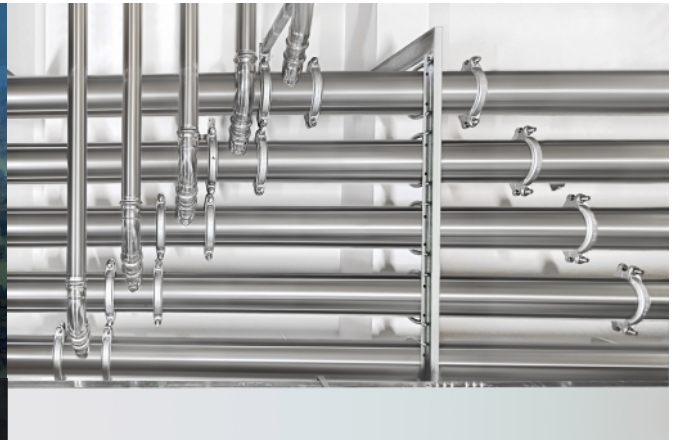
SOME PROJECTS IN RECENT YEARS / ○○



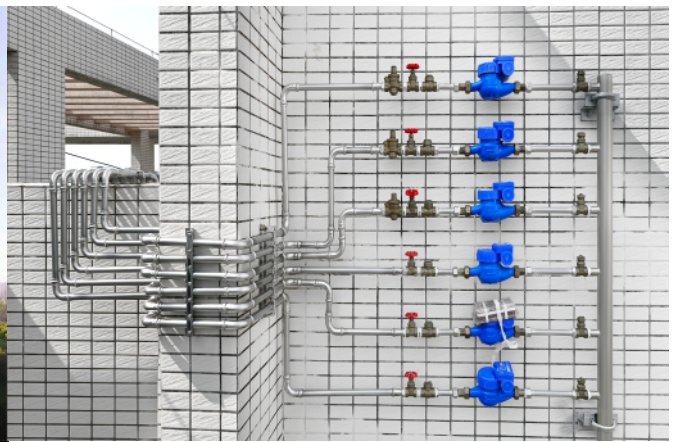




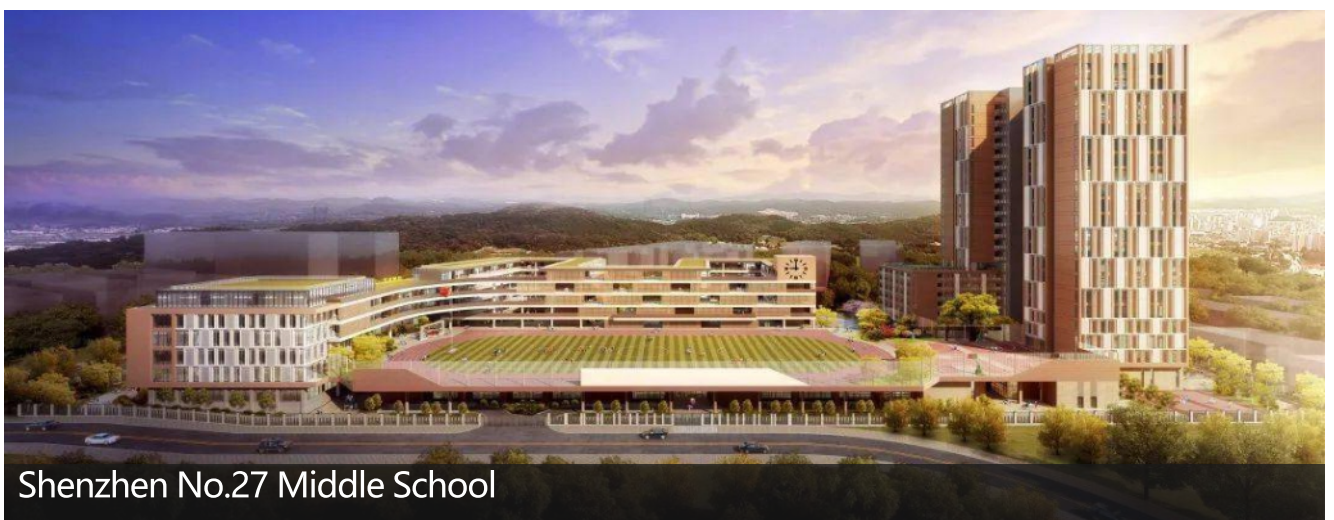
Shenzhen Anju Huayue Longyuan Project



Shenzhen Biwan Yayuan Old Town Renovation Project



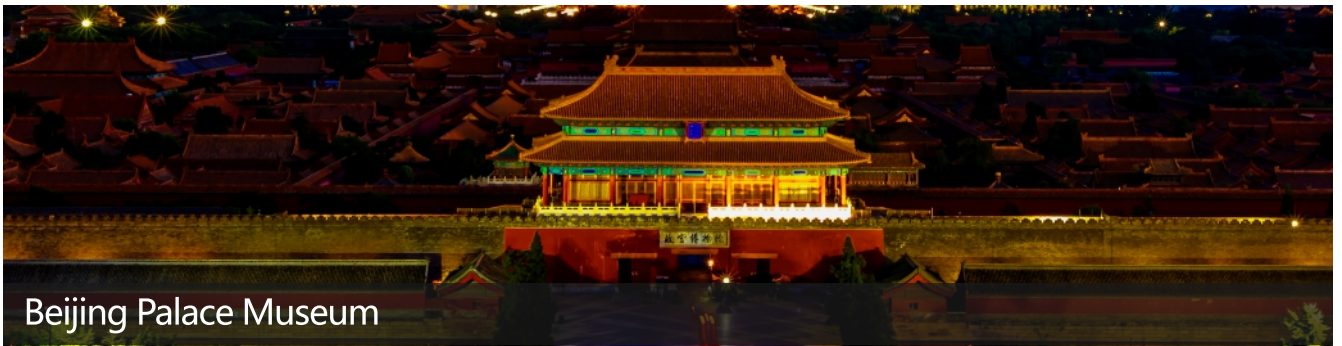
Zhuhai Huafa Four Seasons Yunshan Garden



Shenzhen No.27 Middle School



Beijing Great Hall of the People



Beijing Palace Museum



Taikang Home Beijing Taikang Building



Beijing Twin Center South Tower



Beijing Sub-Center



Beijing 301 Hospital



Northern Medical Center Construction



Beijing Xiaomi Smart Manufacturing Base



Beijing Huawei Building



Military Museum Exhibition Building



Alibaba Beijing Headquarters

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