

# NU

-STAINLESS STEEL PIPE  
-STAINLESS STEEL SINGLE PRESS FITTING



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To Provide **Safe&Reliable** Products and **Smart&Complete**  
Solutions for Clients in Fluid Conveying Industry Across the Globe.



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- **Enterprise mission**

To provide safe and reliable products and complete solutions for clients in fluid conveying industry across the globe

- **Global market**

Products are distributed to more than 130 countries and regions with complete specifications and excellent quality

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## COMPANY PROFILE

Archung is the creator of thin-wall stainless steel double-press technology and one of the earliest domestic enterprises that is engaged in R&D, production, sales and service of stainless steel piping.

In 1999, Archung was founded in Hong Kong, and the same year it successfully invented double-press technology and obtained its patent. In 2003, Shenzhen Archung was established and has managed to acquire successively certification of quality system, environmental management system, occupational health safety control system, 6S management system, intellectual property management system, China engineering construction testing, the five-star after-sales service, AAA corporate credit ratings, and was accredited as national high-tech enterprise. In 2019, Archung joined Meide Group, and was reestablished as Meide Archung Group Co., Ltd. Today, the company has developed into an enterprise group with full product ranges including stainless steel pipes, fittings, grooved fittings, ring lock scaffold, grouting sleeves, seismic hangers and accessories, etc., covering water, gas, fire protection, HVAC and other industries, providing customers with one-stop service that integrates consultation, design, installation, guidance and service.

The company is headquartered in Shenzhen and has modern industrial parks in Deqing(Guangdong Province), Hebi(Henan Province) and Jinan(Shandong Province), with a total area of 350 mu and more than 500 employees. It has the most advanced automatic production lines with complete product specifications in line with a variety of domestic and foreign technical standards. We have obtained 23 patented technologies and participated in the drafting of 38 national and local standards, with 9 of them Meide Archung was the chief editor, and our products have been certified by WRAS, CE, FM, UL, CRN, etc.

The products of Meide Archung are widely applied in many landmark buildings such as Shanghai Tower, the tallest building of China, Gaoyin 117 Tower, Shenzhen Ping An International Finance Center, the world's largest airport-Beijing Daxing Airport, etc. At the same time, our products are also widely used in thousands of projects in water, gas, fire, HVAC, construction and other fields.

Meide Archung adheres to the enterprise spirit of hard working, pioneering, hardship bearing and innovation, and the core values of customer-centered, quality-oriented, innovation-driven development and win-win cooperation, to provide safe and reliable products and smart & complete solutions to clients in fluid conveying industry across the globe.



DeQing factory



HeBi factory



JiNan factory

## WORK FLOW



Tubulation



Polishing



Laser cutting



Water separator automatic welding machine



Laser cutting machine for elbow



Molding



Cleaning



Solid solution



Warehouse

## PRODUCTION SCALE

In 2008, Meide Archung Group Co.,Ltd. built a modern production base in Deqing, Guangdong province, which covers an area of 100 acres. Meanwhile, the second industrial park was built and put into use, which covers an area of 150 acres in Hebi Henan, province in 2016. The production scale of Meide Archung Group Co.,Ltd. is in the forefront of the industry.



Hydro forming machine



Automatic feeding machine



Mahler's solution furnace



Automatic bending machine



Wet and dry industrial circular polishing machine



Water separator, automatic welding machine



**QUALIFICATION CERTIFICATE**

- PRC special equipment manufacturing license
- Related to the sanitation and safety of drinking water products sanitary permit
- ISO9001, ISO14001, OHSAS1800 certification
- WRAS UK water product certification
- AAA credit enterprise certificate
- SGS salt spray corrosion resistance test
- Product quality liability policy
- National high-tech certificate

**TESTING REPORT AND CERTIFICATE OF HONOR**

- Pipe fitting sanitary testing report
- Pipe sanitary testing report
- Pipe fitting quality testing report
- Pipe quality testing report
- Seal ring testing report
- Utility patent certificate
- National new hi-tech enterprise identification certificate
- Member of China urban gas association
- Member of China construction metal structure association



**COMPANY QUALIFICATION**

## STAINLESS STEEL PIPE TO EN10312

N.U Stainless Steel Pipes comply with EN10312 and supply as straight 5.8M lengths with outside diameters in the range 15mm to 108mm.

Materials comply with BS EN10088

-304 / 1.4301

-316L / 1.4404

Steel Grade and Chemical Composition(Smelting analysis)

### SERIES I

NOMINAL DIAMETER (mm)	OUTSIDE DIAMETER (mm)	TOLERANCE ON OUTSIDE DIAMETER	NOMINAL THICKNESS (mm)	TOLERANCE ON THICKNESS
15	15	+0.04 / -0.06	0.6	± 10%
20	22	+0.05 / -0.05	0.7	± 10%
25	28	+0.05 / -0.05	0.8	± 10%
32	35	+0.07 / -0.03	1.0	± 10%
40	42	+0.07 / -0.03	1.1	± 10%
50	54	+0.07 / -0.16	1.2	± 10%
65	66.7	+0.05 / -0.62	1.2	± 10%
80	76.1	+0.20 / -0.56	1.5	± 10%
100	108	+0.03 / -0.80	1.5	± 10%

### SERIES II

NOMINAL DIAMETER (mm)	OUTSIDE DIAMETER (mm)	TOLERANCE ON OUTSIDE DIAMETER	NOMINAL THICKNESS (mm)	TOLERANCE ON THICKNESS
15	15	±0.10	1.0	±0.10
20	22	±0.11	1.2	±0.10
25	28	±0.14	1.2	±0.10
32	35	±0.18	1.5	±0.10
40	42	±0.21	1.5	±0.10
50	54	±0.27	1.5	±0.10
65	76.1	±0.38	2.0	±0.15
80	88.9	±0.44	2.0	±0.15
108	108	±0.54	2.0	±0.15

TYPE	BODY MARKING
SERIES I	N.U EN10312-1 304 OD x THICKNESS
	N.U EN10312-1 316L OD x THICKNESS
SERIES II	N.U EN10312-2 304 OD x THICKNESS
	N.U EN10312-2 316L OD x THICKNESS

## NU Stainless Steel Pipes

### 1.4404/1.4301(EN10088-1/EN10088-2) DVGW(Ø15-108)

#### Technical data

Working pressure: 1.6MPa

Material: 316L, 304

O-ring material: EPDM

Connection Method: Press

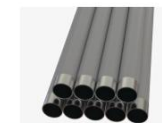
Working temperature: -18°C-110°C

Connection standard: For stainless steel tubes in compliance with EN10312



#### Plain Pipe(光身管)

DN	O.D×Thckness(mm)×Length	Product Code(304/316L)
15	15.0×1.0×5800	PP0156M/PP3160151M
20	22.0×1.2×5800	PP0226M/PP3160221M
25	28.0×1.2×5800	PP0286M/PP3160281M
32	35.0×1.5×5800	PP0356M/PP3160351M
40	42.0×1.5×5800	PP0426M/PP3160421M
50	88.9×2.0×5800	PP0546M/PP3160541M
65	76.1×2.0×5800	PP0766M/PP3160761M
80	54.0×1.5×5800	PP0886M/PP3160881M
100	108.0×2.0×5800	PP1086M/PP3161081M



#### PE Covered Pipe (冷水管材)—grey(灰色)

DN	O.D×Thckness(mm)×Length	Product Code(304/316L)
15	15.0×1.0×5800	PP0156M/PP3160151M
20	22.0×1.2×5800	PP0226M/PP3160221M
25	28.0×1.2×5800	PP0286M/PP3160281M
32	35.0×1.5×5800	PP0356M/PP3160351M
40	42.0×1.5×5800	PP0426M/PP3160421M
50	54.0×1.5×5800	PP0546M/PP3160541M
65	76.1×2.0×5800	PP0766M/PP3160761M
80	88.9×2.0×5800	PP0886M/PP3160881M
100	108.0×2.0×5800	PP1086M/PP3161081M



#### Corrugated PE Covered Pipe (热水管材)—grey(灰色)

DN	O.D×Thckness(mm)×Length	Product Code(304/316L)
15	15.0×1.0×5800	PP0156M/PP3160151M
20	22.0×1.2×5800	PP0226M/PP3160221M
25	28.0×1.2×5800	PP0286M/PP3160281M
32	35.0×1.5×5800	PP0356M/PP3160351M
40	42.0×1.5×5800	PP0426M/PP3160421M
50	54.0×1.5×5800	PP0546M/PP3160541M
65	76.1×2.0×5800	PP0766M/PP3160761M
80	88.9×2.0×5800	PP0886M/PP3160881M
100	108.0×2.0×5800	PP1086M/PP3161081M

Remark: Surface Treatment of Stainless steel pipe:Original Surface/ Plastic CoatedThe plastic coating is manufactured according to BS3412 standards for covered stainless steel pipes, ensuring excellent corrosion resistance and protection. Application Scope: Suitable for drinking water, cold water, hot, water, and seawater systems. Also compatible with stainless steel pipe clamp fittings for safe and reliable installation and use

## Stainless steel press fitting M-Profile



### N.U STAINLESS STEEL FITTING TO AS3688, GRADE: SS316L

90° Elbow	Drawing	OD D	L	Z
15		45	20	
22		54	21	
28		64	23	
35		75	26	
42		89	30	
54		108	35	
66.7		145	49	
76.1		158	53	
88.9		182	60	
108		224	75	

90° Elbow with Plain End	Drawing	OD D	L	Z	Z
15		43	44	20	
22		61	67	21	
28		72	78	23	
35		86	120	26	
42		112	140	30	
54		138	165	35	
66.7		145	160	49	
76.1		190	247	53	
88.9		218	292	60	
108		260	358	75	

90° Elbow with Female Thread	Drawing	OD D	L	H	Z
15 x 1/2"		49	46.5	20	
22 x 1/2"		62	58	21	
22 x 3/4"		62	60	21	
28 x 1"		72	74	23	
35 x 1 1/4"		85	83.5	26	
42 x 1 1/2"		110	104	30	
54 x 2"		136	129	35	


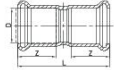
90° Elbow with Male Thread	Drawing	OD D	L	H	Z
15 x 1/2"		49	50.5	20	
22 x 1/2"		62	62	21	
22 x 3/4"		62	63.5	21	
28 x 1"		72	77	23	
35 x 3/4"		85	89	26	
35 x 1 1/4"		85	87.5	26	
42 x 1 1/2"		110	110	30	
54 x 2"		136	136	35	


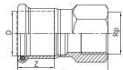
130R Reducing Tee	Drawing	OD D (1) x (2) x (3)	L	H	Z1	Z2
22x15x22		74	37	21	20	
28x15x28		84	40.5	23	20	
28x22x28		84	48	23	21	
35x15x35		98	43	26	20	
35x22x35		98	50.5	26	21	
35x28x35		98	54.5	26	23	
42x15x42		112	46.5	30	20	
42x22x42		112	54	30	21	
42x28x42		112	58	30	23	
42x35x42		112	61	30	26	
54x15x54		136	52.5	35	20	
54x22x54		136	60	35	21	
54x28x54		136	64	35	23	
54x35x54		136	67	35	26	
54x42x54		136	68.5	35	30	
66.7x42x66.7		230	74	49	30	
66.7x54x66.7		230	78	49	35	
76.1x54x76.1		230	89	53	35	
76.1x66.7x76.1		230	104	53	49	
88.9x54x88.9		260	97	60	35	
88.9x76.1x88.9		260	116	60	53	
108x54x108		310	106	75	35	
108x66.7x108		310	120	75	49	
108x76.1x108		310	124	75	53	
108x88.9x108		310	137	75	60	


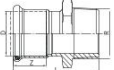
130RF Reducing Tee with Female Thread Branch	Drawing	OD D (1) x (2) x (3)	L	H	Z
22x1/2"x22		74	37.5	21	
28x1/2"x28		84	40.5	23	
28x3/4"x28		84	42.5	23	
35x1/2"x35		98	43	26	
35x3/4"x35		98	45	26	
35x1"x35		98	49.5	26	
42x1/2"x42		112	46.5	30	
42x3/4"x42		112	48.5	30	
42x1"x42		112	52.5	30	
42x1 1/4"x42		112	53.5	30	
54x1/2"x54		136	52.5	35	
54x3/4"x54		136	54.5	35	
54x1"x54		136	58.5	35	
54x1 1/4"x54		136	59.5	35	
54x1 1/2"x54		136	59.5	35	


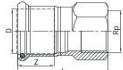
130RM Reducing Tee with Male Thread Branch	Drawing	OD D (1) x (2) x (3)	L	H	Z
22x1/2"x22		74	41.5	21	
28x1/2"x28		84	44.5	23	
28x3/4"x28		84	46	23	
35x1/2"x35		98	47	26	
35x3/4"x35		98	48.5	26	
35x1"x35		98	52	26	
42x1/2"x42		112	51	30	
42x3/4"x42		112	52.5	30	
42x1"x42		112	55.5	30	
42x1 1/4"x42		112	57.5	30	
54x1/2"x54		136	57	35	
54x3/4"x54		136	59	35	
54x1"x54		136	62.5	35	
54x1 1/4"x54		136	64	35	
54x1 1/2"x54		136	66.5	35	



300 cap	Drawing	OD D	L	Z
15		30	20	
18		34.5	20	
22		33.5	21	
28		38	23	
35		42	26	
42		46.5	30	
54		54	35	
76.1		81	53	
88.9		92	60	
108		105	75	


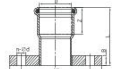
220 Straight Coupling	Drawing	OD D	L	Z
		15	49	20
		22	50	21
		28	54	23
		35	67	26
		42	73	30
		54	83	35
		66.7	123	49
		76.1	136	53
		88.9	162	60
		108	189	75


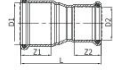
220F Coupling with Female Thread	Drawing	OD D	L	Z
		15 x 1/2"	48	20
		22 x 3/4"	51.5	21
		28 x 1"	57	23
		35 x 1 1/4"	62	26
		42 x 1 1/2"	68	30
		54 x 2"	79	35


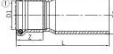
220M Coupling with Male Thread	Drawing	OD D	L	Z
		15x1/2"	52	20
		22x3/4"	55	21
		28x1"	60	23
		35x1 1/4"	67	26
		42x1 1/2"	73.5	30
		54x2"	86	35
		66.7x2 1/2"	109	49
		76.1x3"	134	53
		88.9x3 1/2"	136	60
		108x4"	149	75


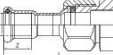
220D Coupling with Female Joint	Drawing	OD D	L	Z
		15x1/2"	42	20
		22x3/4"	46	21
		28x1"	50	23
		35x1 1/4"	55	26
		42x1 1/2"	62	30
		54x2"	72	35


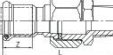
220K Straight Sleeve Coupling	Drawing	OD D	L
		15	67
		22	74
		28	84
		35	100
		42	114
		54	138
		66.7	197
		76.1	230
		108	310

321G Adaptor Flange PN16	Drawing	OD D	L	Z	K	K1	B	n-φd
		15	56	20	95	65	14	4-φ14
		18	57	20	95	65	14	4-φ14
		22	59	21	105	75	16	4-φ14
		28	65	23	115	85	16	4-φ14
		35	69	26	140	100	18	4-φ18
		42	64.5	30	150	110	18	4-φ18
		54	74	35	165	125	20	4-φ18
		76.1	127	53	185	145	20	4-φ18
		88.9	149	60	200	160	20	8-φ18
		108	149	75	220	180	22	8-φ18

240 Reducer	Drawing	OD D	L	Z1	Z2
		22x15	62	21	20
		28x15	74	23	20
		28x22	69	23	21
		35x15	87	26	20
		35x22	83	26	21
		35x28	75	26	23
		42x22	97.5	30	21
		42x28	91	30	23
		42x35	84.5	30	26
		54x22	114	35	21
		54x28	108	35	23
		54x35	103	35	26
		54x42	99.5	35	30
		66.7x54	139	53	35
		76.1x54	175	60	35
		76.1x66.7	166	60	53
		88.9x54	142	60	35
		88.9x76.1	159	75	35
		108x54	160	60	53
		108x66.7	197	75	53
		108x76.1	195	75	60
		108x88.9	190	75	60

240P Reducer with Plain End	Drawing	OD D	L	Z
		22x15	70.5	20
		28x15	76	20
		28x22	71	21
		35x15	81	20
		35x22	81	21
		35x28	82.5	23
		42x15	92.5	20
		42x22	91.5	21
		42x28	91.5	23
		42x35	92.5	26
		54x15	102	20
		54x22	101	21
		54x28	101	23
		54x35	104	26
		54x42	108	30
		66.7x42	151	30
		66.7x54	140	35
		76.1 x 42	126	30
		76.1x54	156	35
		76.1x66.7	156	53
		88.9x54	139	35
		88.9x76.1	156	53
		108x54	204	30
		108x66.7	196	53
		108x76.1	190	60
		108x88.9	191	60

240F Reducer with Female Thread	Drawing	OD D	L	Z
		28 x 1/2"	61.5	23
		28 x 3/4"	53	23
		35 x 3/4"	68.5	26
		35 x 1"	62	26
		42 x 1"	78	30
		42 x 1 1/4"	67.5	30
		54 x 1 1/4"	88	35
		54 x 1 1/2"	74	35

240M Reducer with Male Thread	Drawing	OD D	L	Z
		28 x 1/2"	65.5	23
		28 x 3/4"	56.5	23
		35 x 3/4"	72	26
		35 x 1"	65	26
		42 x 1"	81	30
		42 x 1 1/4"	71.5	30
		54 x 1 1/4"	92	35
		54 x 1 1/2"	80	35

90R 90°Reducing Elbow	Drawing	OD D (1×2)	L	H	Z1	Z2
		22 x 15	64	65.5	21	20
		28 x 15	72	79	23	20
		28 x 22	72	74	23	21
		35 x 22	85	88.5	26	21
		35 x 28	85	90	26	23

120 45° Elbow	Drawing	OD D	L	Z
		15	37	20
		22	42	21
		28	48	23
		35	53	26
		42	65	30
		54	78	35
		66.7	96	49
		76.1	123	53
		88.9	139	60
		108	164	75

120P 45° Elbow with Plain End	Drawing	OD D	L	H	Z
		15	32	40	20
		22	42	48	21
		28	48	54	23
		35	55	81	26
		42	65	99	30
		54	78	127	35
		66.7	96	120	49
		76.1	123	188	53
		88.9	139	225	60
		108	166	275	75

130 Equal Tee	Drawing	OD D (1×2×3)	L	H	Z1
		15x15x15	67	33.5	20
		22x22x22	74	45	21
		28x28x28	84	49	23
		35x35x35	98	58	26
		42x42x42	112	63	30
		54x54x54	136	78	35
		66.7x66.7x66.7	230	100	49
		76.1x76.1x76.1	230	108	53
		88.9x88.9x88.9	260	125	60
		108x108x108	310	146	75

130F Female Tee with Thread	Drawing	OD D (1×2×3)	L	H	Z
		15x1/2"x15	67	33.5	20
		22 x 3/4"x22	74	39.5	21
		28 x 1"x28	84	46.5	23
		35 x 1.1/4"x35	98	50.5	26
		42 x 1.1/2"x42	112	54	30
		54 x 2"x54	136	65	35

130M Male Tee with Thread	Drawing	OD D	L	Z	Z
		15 x 1/2"x15	67	37.5	20
		22 x 3/4"x22	74	43	21
		28 x 1"x28	84	49.5	23
		35 x 1.1/4"x35	98	54.5	26
		42 x 1.1/2"x42	112	60	30
		54 x 2"x54	136	72	35

## Tech Data

### Seals and Gaskets Information

- EPDM Sealing Element Operating temperature:09F to 248F (-18°C to 120°C)
- EPDM, or ethylene-propylene-diene rubber, is a synthetically manufactured and peroxidically cured all-purpose elastomer.
- EPDM sealing elements are shiny black in color and possess excellent resistance to aging, ozone, sunlight, weathering, environmental influences, alkalis and most alkaline solutions along with chemicals used in a broad range of applications, including ketones. EPDM has particularly good resistance to hot water, making it ideal for seals and gaskets.

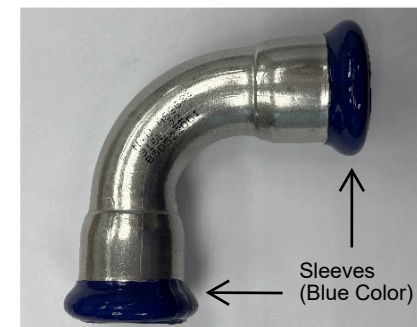
### Implementation Standards

- A.Pipe: Pipe: Stainless Steel Pipe conform to EN10312 Series I and Series II.
- B.Fittings: Cold Press Mechanical Joint Fitting shall conform to material requirements of ASTM A420 or ASMEB16.3 and performance criteria of IAPMO PS17 and ASTM F3226. Sealing elements for press fittings shall be EPDM. Sealing elements shall be factory installed or an alternative supplied by fitting manufacturer. Pressends shall have LBP technology design (leakage path). fittings with the LBP technology assure leakage of liquids and/or gases from inside the system past the sealing element of an unpressed connection. The function of this feature is to provide the installer quick and easy identification of connections which have not been pressed prior to putting the system into operation. Fittings: Stainless Steel Fitting conform to AS3688.
- C.Pipe Thread: Pipe Threads shall conform to ASTM B1.20.1.
- D.Hangers and supports: Hangers and supports shall conform to MSS SP 58
- E.Hanger spacing: In accordance with ASME B 31.1,NFPA54, UPC,IMC other National or local codes.

### Operating conditions

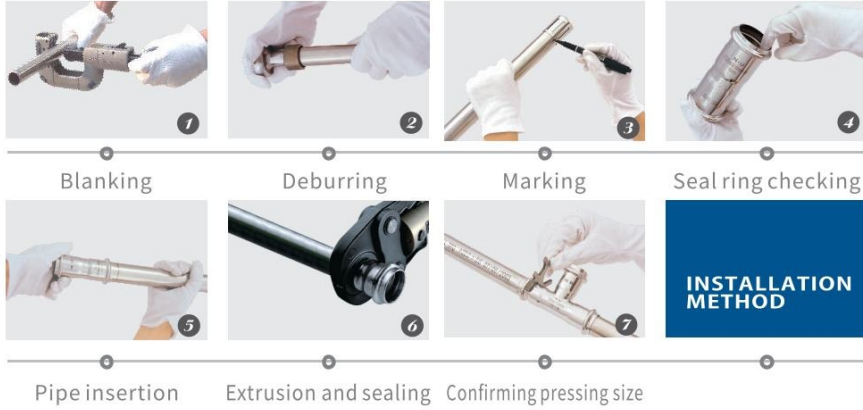
- Water, closed system
  - Operating temperature  $T_{max} \leq 110^{\circ}\text{C}$  (EPDM)
  - Operating temperature  $T_{max} \leq 140^{\circ}\text{C}$  (FKM)
  - Operating pressure  $p_{max} \leq 1.6\text{MPa}$  (16bar)
- Compressed air, dry and oil-free
  - Operating pressure  $p_{max} \leq 1.6\text{MPa}$  (16bar)

### Sleeves (Blue Color)



- \* Protection the end from damage
- \* Easy to identify press missing
- \* Easy to fall off after pressing

## INSTALLATION KEYPOINTS



## TOOLS

