



STAINLESS STEEL

PIPE AND FITTING



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INTRODUCTION

Guangzhou Mayer Corp., Ltd, established in 1995, is a Hongkong-listed sino-foreign joint enterprise (stock code is 01116.HK) and a new high-tech enterprise which independently control the whole production process from steel coil cutting to the finished product of stainless steel pipe and fitting. Mayer has participated in the formulation of national standards and has achieved 52 patents for inventions and utility models. It is also a provincial engineering and technological research center of stainless steel pipeline in Guangdong. Since 2005, Mayer has been rated as "Abiding Contract and Credit-Worthy Enterprise" for 16 consecutive years.



QUALIFICATION CERTIFICATE



WRAS certificate



WaterMark certificate



High-tech enterprises



Measurement Management System(AAA) certificate



Quality Management System certificate



Environmental Management System Certificate



Occupational Health and Safety Management System Certificate



Customs AEO advanced certificate



Construction engineering product certificate PIPES



Construction engineering product certificate FITTINGS



Sanitation license approval PIPES



Sanitation license approval FITTINGS





INSURANCE

PICC insurance underwriting provides you with comprehensive after-sales protection service.



INSPECTION of FINISHED PRODUCTS

Pipes

Each pipe has its own traceability code. Pipes can be traced back to each production process till the source of raw material after leaving the factory.

100% pass online and offline intelligent eddy current testing

100% pass hydro-static test of 2.5Mpa

1.3D extension, flanging and flattening test

Dimension measurement (outer diameter, thickness, length), visual inspection;

Other testing required by customers can be realized



Fittings



Each fitting has its own traceability code. Fittings can be traced back to every production process till the source of raw material after leaving the factory.

100% pass dimension measurement (Outer Diameter, Thickness, Length)

100% pass air tightness test

100% fittings are with annealing treatment, and pass hardness test, hydro-static test, salt spray test, inter-granular corrosion test and other related standard tests. More tests requested by customers are achievable.



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

Specification(EN standard) —BA

Outer Diameter	OD tolerance	Thickness	thickness tolerance	Product code
15	±0.10	1.0	±0.10	(4)E01015
22	±0.11	1.2	±0.10	(4)E01022
28	±0.14	1.2	±0.10	(4)E01028
35	±0.18	1.5	±0.10	(4)E01035
42	±0.21	1.5	±0.10	(4)E01042
54	±0.27	1.5	±0.10	(4)E01054
76.1	±0.38	2.0	±0.15	(4)E01076
88.9	±0.44	2.0	±0.15	(4)E01089
108.0	±0.54	2.0	±0.15	(4)E01108
133.0	±1.00	3.0	±0.30	(4)E01133
159.0	±1.00	3.0	±0.30	(4)E01159
219.0	±1.50	3.0	±0.30	(4)E01219

*Standard EN10312: 2002 series 2

Fittings Specifications

Coupling (V) —S



Product code	Size (mm)
(4)E1000015	15
(4)E1000022	22
(4)E1000028	28
(4)E1000035	35
(4)E1000042	42
(4)E1000054	54
(4)E1000076	76.1
(4)E1000089	88.9
(4)E1000108	108

Reducing Coupling (V) —SR



Product code	Size (mm)
(4)E11002215	22x15
(4)E11002815	28x15
(4)E11002822	28x22
(4)E11003522	35x22
(4)E11003528	35x28
(4)E11004228	42x28
(4)E11004235	42x35
(4)E11005428	54x28
(4)E11005435	54x35
(4)E11005442	54x42
(4)E11007642	76.1 x42
(4)E11007654	76.1 x54
(4)E11008954	88.9 x54
(4)E11008976	88.9 x76.1
(4)E11010854	108 x54
(4)E11010876	108 x76.1
(4)E11010889	108 x88.9



Slip Coupling (V) —SK



Product code	Size (mm)
(4)E13000015	15
(4)E13000022	22
(4)E13000028	28
(4)E13000035	35
(4)E13000042	42
(4)E13000054	54
(4)E13000076	76.1
(4)E13000089	88.9
(4)E13000108	108

Reducer with plain end (V)



Product code	Size (mm)
(4)E12002215	22x15
(4)E12002815	28x15
(4)E12002822	28x22
(4)E12003515	35x15
(4)E12003522	35x22
(4)E12003528	35x28
(4)E12004222	42x22
(4)E12004228	42x28
(4)E12004235	42x35
(4)E12005422	54x22
(4)E12005428	54x28
(4)E12005435	54x35
(4)E12005442	54x42
(4)E12007642	76.1 x42
(4)E12007654	76.1 x54
(4)E12008954	88.9 x54
(4)E12008976	88.9 x76.1
(4)E12010854	108 x54
(4)E12010876	108 x76.1
(4)E12010889	108 x88.9

Adaptor with female thread (V) —SF



Product code	Size (mm)
(4)E14001512	15x1/2
(4)E14001534	15x3/4
(4)E14002212	22x1/2
(4)E14002234	22x3/4
(4)E1400221	22x1
(4)E14002834	28x3/4
(4)E1400281	28x1
(4)E14035114	35x11/4
(4)E14042112	42x11/2
(4)E14000542	54x2

Union adaptor (V)



Product code	Size (mm)
(4)E18001512	15x1/2"
(4)E18002234	22x3/4"
(4)E18000281	28x1"
(4)E18035114	35x1-1/4"
(4)E18042112	42x1-1/2"
(4)E18000542	54x2"



Adaptor with male thread (V) —SM

Product code	Size (mm)
(4)E16001512	15x1/2
(4)E16001534	15x3/4
(4)E16002212	22x1/2
(4)E16002234	22x3/4
(4)E16000221	22x1
(4)E16002834	28x3/4
(4)E16000281	28x1
(4)E16035114	35x11/4
(4)E16042112	42x11/2
(4)E16000542	54x2
(4)E16076212	76.1x2 1/2
(4)E16000893	88.9x3
(4)E16001084	108x4

Bend 90° (V) —90E

Product code	Size (mm)
(4)E20000015	15
(4)E20000022	22
(4)E20000028	28
(4)E20000035	35
(4)E20000042	42
(4)E20000054	54
(4)E20000076	76.1
(4)E20000089	88.9
(4)E20000108	108

Bend 90° with plain end (V) —90ED

Product code	Size (mm)
(4)E22000015	15
(4)E22000022	22
(4)E22000028	28
(4)E22000035	35
(4)E22000042	42
(4)E22000054	54
(4)E22000076	76.1
(4)E22000089	88.9
(4)E22000108	108

Bend 90° with female thread (V) —90EF

Product code	Size (mm)
(4)E23001512	15x1/2
(4)E23002234	22x3/4
(4)E23000281	28x1
(4)E23035114	35x11/4
(4)E23042112	42x11/2
(4)E23000542	54x2

Bend adaptor 90° with male thread (V) —90EM

Product code	Size (mm)
(4)E25001512	15x1/2
(4)E25002234	22x3/4
(4)E25000281	28x1
(4)E25035114	35x11/4
(4)E25042112	42x11/2
(4)E25000542	54x2



Equal Tee (V) —3T

Product code	Size (mm)
(4)E30000015	15
(4)E30000022	22
(4)E30000028	28
(4)E30000035	35
(4)E30000042	42
(4)E30000054	54
(4)E30000076	76.1
(4)E30000089	88.9
(4)E30000108	108

Reducing Tee (V) —3TR

Product code	Size (mm)
(4)E31002215	22x15
(4)E31002815	28x15
(4)E31002822	28x22
(4)E31003515	35x15
(4)E31003522	35x22
(4)E31003528	35x28
(4)E31004215	42x15
(4)E31004222	42x22
(4)E31004228	42x28
(4)E31004235	42x35
(4)E31005415	54x15
(4)E31005422	54x22
(4)E31005428	54x28
(4)E31005435	54x35
(4)E31005442	54x42
(4)E31007642	76.1x42
(4)E31007654	76.1x54
(4)E31008954	88.9x54
(4)E31008976	88.9x76.1
(4)E31010854	108x54
(4)E31010876	108x76.1
(4)E31010889	108x88.9

Female Tee (V) —3TF

Product code	Size (mm)
(4)E32001512	15x1/2
(4)E32002212	22x1/2
(4)E32002234	22x3/4
(4)E32002812	28x1/2
(4)E32002834	28x3/4
(4)E32000281	28x1
(4)E32003512	35x1/2
(4)E32003534	35x3/4
(4)E32035114	35x11/4
(4)E32004212	42x1/2
(4)E32004234	42x3/4
(4)E32042112	42x11/2
(4)E32005412	54x1/2
(4)E32000542	54x2



Male Tee (V) —3TM

Product code	Size (mm)
(4)E34001512	15x1/2
(4)E34002212	22x1/2
(4)E34002234	22x3/4
(4)E34002812	28x1/2
(4)E34002834	28x3/4
(4)E3400281	28x1
(4)E34003512	35x1/2
(4)E34003534	35x3/4
(4)E34035114	35x11/4
(4)E34004212	42x1/2
(4)E34004234	42x3/4
(4)E34042112	42x11/2
(4)E34005412	54x1/2
(4)E34005434	54x3/4
(4)E3400542	54x2

Elbow adaptor 90° with female thread (V) —90EFZ

Product code	Size (mm)
(4)E27001512	15x1/2
(4)E27002212	22x1/2
(4)E27002234	22x3/4
(4)E2700281	28x1

Elbow 90° with wall plate (V)

Product code	Size (mm)
(4)E2D001512	15x1/2
(4)E2D002234	22x3/4
(4)E2D00281	28x1

Bend 45° (V) —45E

Product code	Size (mm)
(4)E40000015	15
(4)E40000022	22
(4)E40000028	28
(4)E40000035	35
(4)E40000042	42
(4)E40000054	54
(4)E40000076	76.1
(4)E40000089	88.9
(4)E40000108	108

Bend 45° with plain end (V) —45ED

Product code	Size (mm)
(4)E41000015	15
(4)E41000022	22
(4)E41000028	28
(4)E41000035	35
(4)E41000042	42
(4)E41000054	54
(4)E41000076	76.1
(4)E41000089	88.9
(4)E41000108	108



Cap (V)

Product code	Size (mm)
(4)E50000015	15
(4)E50000022	22
(4)E50000028	28
(4)E50000035	35
(4)E50000042	42
(4)E50000054	54
(4)E50000076	76.1
(4)E50000089	88.9
(4)E50000108	108

Crossover

Product code	Size (mm)
(4)E51000015	15
(4)E51000022	22
(4)E51000028	28

Flange (V)

Product code	Size (mm)
(4)E53000028	28
(4)E53000035	35
(4)E53000042	42
(4)E53000054	54
(4)E53000076	76.1
(4)E53000089	88.9
(4)E53000108	108

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)
Battery Specification	18v 2.5Ah Samsung battery cell, 45minute fast charging lithum battery (charging capacity display)	
Crimping Range	Stainless Steel pipe: OD15~54mm Copper Pipe: OD15~108mm Pex Pipe: OD15~108mm	
Crimping Times (Full battery)	200~400times (according to different pipe diameters)	
Crimping Cycle	7 seconds	
LED Light	YES	
LED Screen	NO	YES



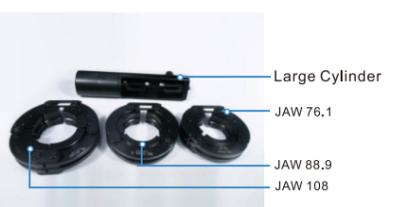
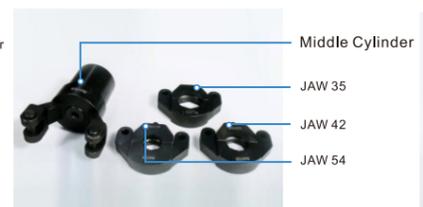
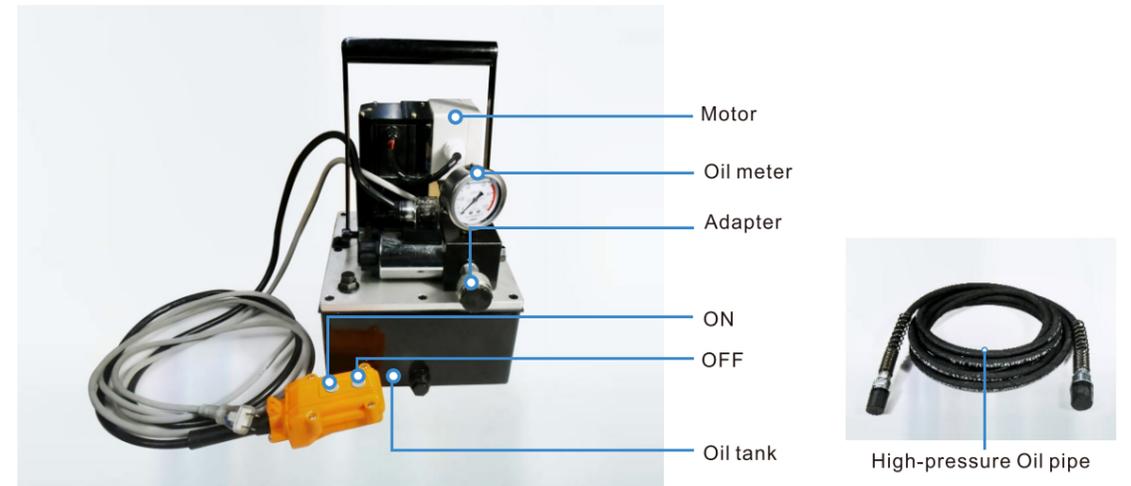
RIDGID pres tool



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

Electric hydraulic Pump

Crimping Range: OD 15mm~OD108mm
 High Precision and good performance, more Stable and durable
 The leakproofness and pullout-resistance of the joint reaches the high standard of industry
 Match different cylinder, transmit power to different jaw and sling.





INSTALLATION PROCEDURE



1. Cutting

Confirm the pipe length needed, and 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 insertion 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, and lubricate the o-ring with water or talc to ease insertion of the pipe 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.



7. Confirming the size of joint

Confirm the size of joint by measuring the section dimension with a special gauge.



ENTERPRISE CASE





APPLICATION OF MAYER'S PRODUCTS IN PROJECTS

- | | |
|---|---------------------------------------|
| Taipei 101 Building | Shanghai Pudong International Airport |
| Kunming Dianchi International Exhibition Center | Zhuhai Chimelong Circus Hotel |
| Sanya ZTE Talent Exchange Centre | Beijing Qixing Morgan Plaza |
| Shudu Centre | Beijing Capital International Airport |
| Zhuhai Chimelong Penguin Hotel | Haikou Wormhole Library |
| Beijing Institute of Technology | University of Macau |
| Shanghai Pudong International Airpaor | Zhuhai Penguin Hotel |

