



# STAINLESS STEEL

## PIPE AND FITTING



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Website

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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



GA of Water Supplies Department



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

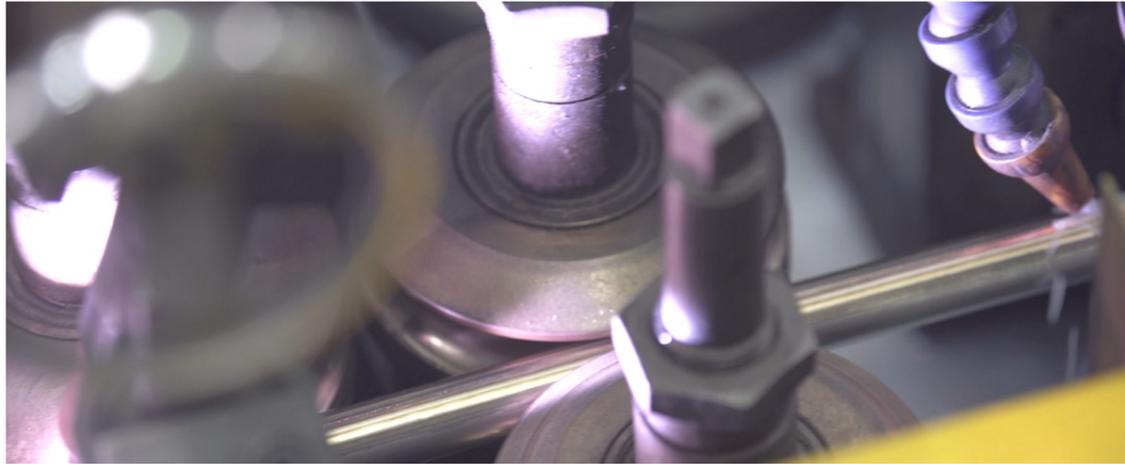


Sanitation license approval FITTINGS



## INSURANCE

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



## STAINLESS STEEL PIPE

ASTM A312, A778(B36.19)

Nominal Outside Diameter		OD(mm)	Thickness(mm)		
NPS	inch	O.D	5S	10S	40S
8	1/4"	13.72	1.24	1.65	2.24
10	3/8"	17.15	1.24	1.65	2.31
15	1/2"	21.34	1.65	2.11	2.77
20	3/4"	26.67	1.65	2.11	2.87
25	1"	42.16	1.65	2.77	3.38
32	1 1/4"	33.40	1.65	2.77	3.65
40	1 1/2"	48.26	1.65	2.77	3.68
50	2"	60.33	1.65	2.77	3.91
65	2 1/2"	73.03	2.11	3.05	5.16
80	3"	88.90	2.11	3.05	5.49
90	3 1/2"	101.60	2.11	3.05	5.74
100	4"	114.30	2.11	3.05	6.02
125	5"	141.30	2.77	3.40	6.55
150	6"	168.28	2.77	3.40	7.11
200	8"	219.08	2.77	3.76	8.18
250	10"	273.05	3.40	4.19	9.27
300	12"	323.85	3.96	4.57	9.53

JIS G3459

Nominal Outside Diameter		OD(mm)	Thickness(mm)		
NPS	inch	O.D	5S	10S	40S
8	1/4"	13.8	1.20	2.00	2.20
10	3/8"	17.3	1.20	2.00	2.30
15	1/2"	21.7	1.65	2.50	2.80
20	3/4"	27.2	1.65	2.50	2.90
25	1"	34.0	1.65	3.00	3.40
32	1 1/4"	42.7	1.65	3.00	3.60
40	1 1/2"	48.6	1.65	3.00	3.70
50	2"	60.5	1.65	3.50	3.90
65	2 1/2"	76.3	2.10	3.50	5.20
80	3"	89.1	2.10	4.00	5.50
90	3 1/2"	101.6	2.10	4.00	5.70
100	4"	114.3	2.10	4.00	6.00
125	5"	139.8	2.80	5.00	6.60
150	6"	165.2	2.80	5.00	7.10
200	8"	216.3	2.80	6.00	8.20
250	10"	267.4	3.40	6.00	9.30
300	12"	318.5	4.00	6.00	10.30

EN 10217-7

Thickness Gauge	1.20	1.60	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.50	5.00	5.60	6.30	7.10	8.00	8.80	10.00	11.00	12.50	14.20
13.50																				
17.20																				
21.30																				
26.90																				
33.70																				
42.40																				
48.30																				
60.30																				
76.10																				
88.90																				
101.60																				
114.30																				
139.70																				
168.30																				
219.10																				
273.00																				
323.90																				



Tolerance

Item Standars	Outside Diameter Tolerance(mm)	Tolerance of Thickness(mm)	Straightness(mm)	Length(mm)
ASTM A312	≤48.26 +0.4 -0.8 >48.26~≤114.3 +0.8 -0.8 >114.3~≤219.08 +1.6 -0.8 >219.08 ≤457.2 +2.4 -0.8	±12.5%	6.4mm/6.0m	-6.0 -0.0
JIS G3459	< 30.0 ±0.3 ≥30.0 ±1.0%D	< 2.0 ±0.20 ≥2.0 ±10.0%		Defined length
GBIT 12771	< 40.0 ±0.3 ≥40.0~65.0 ±0.4 ≥65.0~90.0 ±0.5 ≥90.0~168.3 ±1.0 ≥168.3~<325.0 ±1.0%D	±10.0%	>108.0 ≤1.5 >108.0-325.0 ≤2.0 (OD.mm/m)	+20.0 -0.0
EN 10217-7	D3±0.75% or ±0.3 D≤168.3 D4±0.5% or ±0.1 D> 160.3 D2±1.0%	T3 ±10.0% or ±0.2mm	3.0mm/m	L≤6.0m +5.0 -0.0 6.0m<L< 12.0m +10.0 -0.0 L≥12.0m By agreement



Tolerance

Item Standars	Outside Diameter Tolerance(mm)	Tolerance of Thickness(mm)	Straightness(mm)	Length(mm)
ASTM A312	>219.00 ≤457.2 +2.4 -0.8 >457.2 ≤660.4 +3.2 -0.8 >660.4 ≤863.2 +4.0 -0.8 >863.2 +4.48 -0.8	±12.5%	6.4mm/6.0m	-50.0 -0.0
ASTM A358	±0.5%D 1% (Difference between major and minor outside diameters)	The minimum wall thickness in the pipe shall not under 0.3mm		
JIS 3468	≤318.5 ±1.0%D ≥355.6 ±0.5%D	<555.8 T<8.0mm ±12.5% T≥8.0mm ±10.0% ≥555.8 T<8.0mm -12.5%+ T≥8.0mm -10.0%+		Defined length
GBIT 12771	≥325<610 ±1.0% ≥610 ±0.7%D or +10mm	±10.0%	>108.0-325.0 ≤2.5 >325.0 ≤2.5 (OD.mm/m)	+20.0 -0.0
EN 10217-7	D>168.3 D2±1.0%	±10.0%	3.0mm/m	L≤6.0m +5.0 -0.0 6.0m<L<12.0m +10.0 -0.0 L≥12.0m By agreement

ASTM A312, A778(B36.19)

JIS G3459

Nominal Outside Diameter		OD(mm)		Thickness(mm)			Nominal Outside Diameter		OD(mm)		Thickness(mm)			
NPS	inch	O.D		5S	10S	40S	NPS	inch	O.D	5S	10S	20S	40S	
350	14"	355.6		4.19	4.78	11.10	350	14"	355.6	4.00	5.00	8.00	11.10	
400	16"	406.4		4.19	4.78	11.10	400	16"	406.4	4.50	5.00	8.00	12.70	
450	18"	457.2		4.78	4.78	14.30	450	18"	457.2	4.50	5.00	8.00	14.30	
500	20"	508.0		4.78	5.54	15.10	500	20"	508.0	5.00	5.50	9.50	15.10	
550	22"	558.8		5.54	5.54	15.90	550	22"	558.8	5.00	5.50	9.50	15.90	
600	24"	609.6		6.35	6.35	17.50	600	24"	609.6	5.50	6.50	9.50	17.50	
650	26"	660.4		-	7.92	-	650	26"	660.4	5.50	8.00	12.70	-	
700	28"	711.2		-	7.92	-	700	28"	711.2	5.50	8.00	12.70	-	
-	30"	762.0		6.35	7.92	-	-	30"	762.0	6.50	8.00	12.70	-	
800	32"	812.8		-	7.92	-	800	32"	812.8	-	8.00	12.70	-	
-	34"	863.6		-	7.92	-	-	34"	863.6	-	8.00	12.70	-	
900	36"	914.4		-	7.92	-	900	36"	914.4	-	8.00	12.70	-	
-	38"	965.2		-	-	-	-	38"	965.2	-	-	-	-	
1000	40"	1016.0		-	9.53	-	1000	40"	1016.0	-	-	-	-	
1050	42"	1066.8	Nominal diameter and wall thickness subject to the approval of vendor and purchaser.					1050	42"	1066.8	Nominal diameter and wall thickness subject to the approval of vendor and purchaser.			
2000	80"	2032.0		2000	80"	2032.0								

Product Application: Products are widely applicable in the area of chemical, industry, petroleum, papermaking, energy, sewage engineering and etc.



EN 10217-7

Thickness Gauge	1.20	1.60	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.50	5.00	5.60	6.30	7.10	8.00	8.80	10.00	11.00	12.50	14.20	
355.60																					
406.40																					
457.00																					
508.00																					
610.00																					
711.00																					
1016.00																					
	Nominal diameter and wall thickness subject to the approval of vendor and purchaser.																				



## 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

## Specification(EN standard)

Outer Diameter	OD tolerance	Thickness	thickness tolerance
15	±0.10	1.0	±0.10
18	±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
133.0	±1.00	3.0	±0.30
159.0	±1.00	3.0	±0.30
219.0	±1.50	3.0	±0.30

\*Standard: EN10312:2002

## Specification(GB standard)

Outer Diameter		OD tolerance	Thickness		thickness tolerance
series I	series II		S1	S2	
12.7	—	±0.10	0.8	0.6	±10%S
16	—	±0.10	1.0	0.8	
18	15.9				
20	—	±0.11	1.2	1.0	
22	22.2				
25.4	—				
28	28.6	±0.14	1.2	1.0	
32	—				
35	34	±0.17	1.5	1.2	
40	—				
42	42.7				
50.8	—	±0.21	1.5	1.2	
54	48.6				
60.3	—	±0.26	1.5	1.2	
63.5	—				
76.1	—				
88.9	—	±0.32	1.5	1.5	
101.6	—	±0.38	2.0	1.5	
108	—	±0.44	2.0	—	
		±0.54	2.0	—	

\*Standard: GB/T 19228.2-2011

OD	OD tolerance	Thickness	thickness tolerance
133	±0.66	2.5	±0.3
159	±0.80	2.5	
		3.0	
219.1	±1.10	3.0	
273.1	±1.37	4.0	
323.9	±1.62	4.0	

\*standard: GB/T 12771-2008

## Fittings Specifications

### Coupling (V)



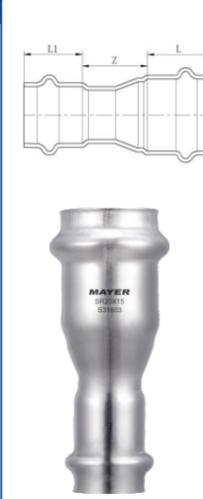
Product code	Size (mm)	L	Z
E10000015	15	53	13
E10000018	18	53	13
E10000022	22	56	14
E10000028	28	60	14
E10000035	35	69	19
E10000042	42	81	17
E10000054	54	93	21
E10000076	76.1	158	38
E10000089	88.9	165	35
E10000108	108	190	36

### Coupling (M)



Product code	Size (mm)	L	Z
DE1000015	15	50	9
DE1000018	18	50	9
DE1000022	22	51	9
DE1000028	28	58	12
DE1000035	35	65	11
DE1000042	42	76	12
DE1000054	54	87	13
DE1000076	76.1	143	33
DE1000089	88.9	164	38
DE1000108	108	196	42

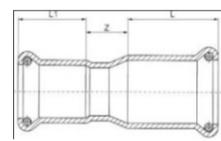
### Reducing Coupling (V)



Product code	Size (mm)	L	L1	Z
E11001815	18x15	20	20	25
E11002215	22x15	21	20	29.5
E11002218	22x18	21	20	26
E11002815	28x15	23	20	31
E11002818	28x18	23	20	26
E11002822	28x22	23	21	31.5
E11003522	35x22	25	21	35
E11003528	35x28	25	23	33.5
E11004228	42x28	32	23	36
E11004235	42x35	32	25	27
E11005428	54x28	36	23	58
E11005435	54x35	36	25	44
E11005442	54x42	36	32	33
E11007642	76.1x42	60	32	61
E11007654	76.1x54	60	36	46
E11008954	88.9x54	65	36	48
E11008976	88.9x76.1	65	60	51
E11010854	108x54	77	36	65
E11010876	108x76.1	77	60	67
E11010889	108x88.9	77	65	53

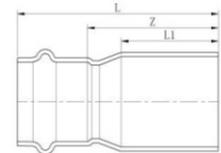


**Reducing Coupling (M)**



Product code	Size (mm)	L	L1	Z
DE1101815	18x15	20.5	20.5	18
DE1102215	22x15	21	20.5	16
DE1102218	22x18	21	20.5	21
DE1102815	28x15	23	20.5	21.5
DE1102818	28x18	23	20.5	19.9
DE1102822	28x22	23	21	22
DE1103522	35x22	27	21	13
DE1103528	35x28	27	23	15
DE1104228	42x28	32	23	18
DE1104235	42x35	32	27	16
DE1105428	54x28	37	23	24
DE1105435	54x35	37	27	19
DE1105442	54x42	37	32	20
DE1107642	76.1x42	51	32	48
DE1107654	76.1x54	51	37	46
DE1108954	88.9x54	60	37	49.7
DE1108976	88.9x76.1	60	51	57.7
DE1110854	108x54	76	37	57
DE1110876	108x76.1	76	51	64
DE1110889	108x88.9	76	60	63

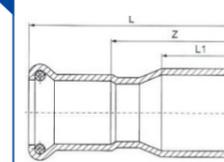
**Reducer with plain end (V)**



Product code	Size (mm)	L	L1	Z
E12001815	18x15	60	30	40
E12002215	22x15	64	30	44
E12002218	22x18	67	30	47
E12002815	28x15	73	32	53
E12002818	28x18	67	32	47
E12002822	28x22	68	32	47
E12003515	35x15	86	35	66
E12003518	35x18	81	35	61
E12003522	35x22	88	35	67
E12003528	35x28	75	35	52
E12004222	42x22	99	44	78
E12004228	42x28	100	44	77
E12004235	42x35	87	44	62
E12005428	54x28	115	50	92
E12005435	54x35	108	50	83
E12005442	54x42	106	50	74
E12007654	76.1x54	167	100	131
E12008954	88.9x54	183	110	147
E12008976	88.9x76.1	209	110	149
E12010854	108x54	208	120	171
E12010876	108x76.1	241	120	166
E12010889	108x88.9	222	120	157

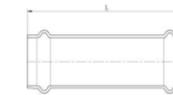


**Reducer with plain end (M)**



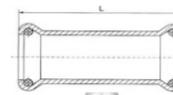
Product code	Size (mm)	L	L1	Z
DE1201815	18x15	60	28	39
DE1202215	22x15	61.5	28	40.5
DE1202218	22x18	63	32	42
DE1202815	28x15	71.5	30	50.5
DE1202818	28x18	74	35	53
DE1202822	28x22	65	30	40.5
DE1203515	35x15	79	40	58
DE1203518	35x18	77.5	40	56.5
DE1203522	35x22	80	30	54.5
DE1203528	35x28	84	40	56
DE1204222	42x22	79	40	53.5
DE1204228	42x28	80	40	52
DE1204235	42x35	86	37	53.5
DE1205428	54x28	99	54	71
DE1205435	54x35	108.5	54	76
DE1205442	54x42	102	48	64
DE1207654	76.1 x54	138.5	76	100
DE1208954	88.9 x54	152	89	92
DE1208976	88.9 x76.1	175.5	89	112.5
DE1210854	108 x54	180	108	143
DE1210876	108 x76.1	201	108	146
DE1210889	108 x88.9	209	108	146

**Slip Coupling (V)**



Product code	Size (mm)	L
E13000015	15	65
E13000018	18	80
E13000022	22	85
E13000028	28	95
E13000035	35	107
E13000042	42	120
E13000054	54	135
E13000076	76.1	234
E13000089	88.9	266
E13000108	108	305

**Slip Coupling (M)**



Product code	Size (mm)	L
DE1300015	15	80
DE1300022	22	85
DE1300028	28	96
DE1300035	35	105
DE1300042	42	120
DE1300054	54	138
DE1300076	76.1	220
DE1300089	88.9	250
DE1300108	108	300

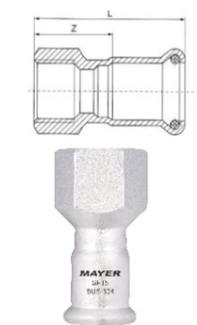


**Adaptor with female thread (V)**



Product code	Size (mm)	L	Z
E14001512	15x1/2	56	37
E14001534	15x3/4	56	36
E14001812	18x1/2	58	38
E14001834	18x3/4	59	39
E14002212	22x1/2	57	37
E14002234	22x3/4	60	49
E14000221	22x1	64	43
E14002834	28x3/4	61	38
E14000281	28x1	65	42
E14035114	35x11/4	65	40
E14042112	42x11/2	72	40
E14000542	54x2	84	48

**Adaptor with female thread (M)**



Product code	Size (mm)	L	Z
DE1401512	15x1/2	49	28.5
DE1401534	15x3/4	50	28
DE1401812	18x1/2	48	27.5
DE1401834	18x3/4	49	28.5
DE1402212	22x1/2	49	28
DE1402234	22x3/4	49	28
DE1400221	22x1	54	33
DE1402834	28x3/4	51	28
DE1400281	28x1	57	34
DE1435114	35x11/4	64	37
DE1442112	42x11/2	70	38
DE1400542	54x2	82	45

**Adaptor with male thread (V)**



Product code	Size (mm)	L	Z
E16001512	15x1/2	60	40
E16001534	15x3/4	61	41
E16001812	18x1/2	61	41
E16001834	18x3/4	65	45
E16002212	22x1/2	62	41
E16002234	22x3/4	65	44
E16000221	22x1	69	48
E16002834	28x3/4	66	43
E16000281	28x1	70	47
E16035114	35x11/4	70	45
E16042112	42x11/2	77	45
E16000542	54x2	88	52
E16076212	76.1x2 1/2	126	66
E16000893	88.9x3	135	70
E16001084	108x4	157	80

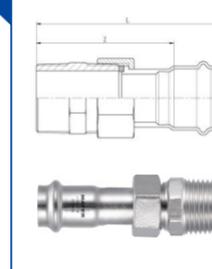


**Adaptor with male thread (M)**



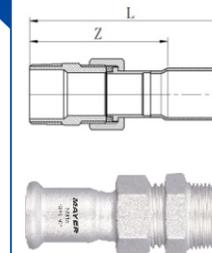
Product code	Size (mm)	L	Z
DE1601512	15x1/2	51	30.5
DE1601534	15x3/4	54	33
DE1601812	18 x 1/2	50	29.5
DE1601834	18 x 3/4	54	33.5
DE1602212	22x1/2	51	30
DE1602234	22x3/4	54	33
DE1602212	22 x 1/2	51	30
DE1602834	28 x 3/4	56	33
DE1600281	28 x 1	60	37
DE1635114	35x11/4	68	41
DE1642112	42x11/2	75	43
DE1600542	54x2	88	51
DE1676212	76.1 x 2 1/2	121	70
DE1600893	88.9 x 3	136	76
DE1601084	108.0x4	160	84

**Adaptor Union (M)**



Product code	Size (mm)	L	Z
E19001512	15 x 1/2	94	74
E19001534	15 x 3/4	94	74
E19001812	18 x 1/2	98	78
E19001834	18 x 3/4	97	77
E19002212	22 x 1/2	98	77
E19002234	22x 3/4	98	77
E19000221	22x1	104	83
E19002834	28 x 3/4	109	86
E19000281	28 x 1	107	84
E19028114	28x 11/4	113	90
E19035114	35 x 11/4	112	87
E19035112	35 x 11/2	111	86
E19042112	42x 11/2	122	90
E19000542	54x2	135	99

**Adaptor Union (M)**



Product code	Size (mm)	L	Z
DE1901512	15 x 1/2	82	61.5
DE1901534	15 x 3/4	84	63.5
DE1901812	18 x 1/2	82	61.5
DE1901834	18 x 3/4	84	63.5
DE1902212	22 x 1/2	92	71
DE1902234	22 x 3/4	80	59
DE1900221	22x 1	91	70
DE1902834	28 x 3/4	92	69
DE1900281	28x 1	94	71
DE1928114	28 x 11/4	102	79
DE1935114	35 x 11/4	103	76
DE1935112	35 x 11/2	116	89
DE1942112	42 x 11/2	113	81
DE1900542	54x2	121	84



**Union adaptor (V)**

Product code	Size (mm)	L	Z
E18001512	15 x 1/2"	63	43
E18002234	22x3/4"	67	46
E18000281	28 x 1"	74	51
E18035114	35 x 1-1/4"	72	47
E18042112	42 x 1-1/2"	80	48
E18000542	54x2"	90	54

**Union adaptor (M)**

Product code	Size (mm)	L	Z
DE1801512	15 x 1/2"	44	23.5
DE1802234	22x3/4"	46	25
DE1800281	28 x 1"	50	27
DE1835114	35 x 1-1/4"	53	26
DE1842112	42 x 1-1/2"	61	29
DE1800542	54x2"	67	30

**Crox adapter (M)**

Product code	Size (mm)	L	Z
E72015012	15 x 1/2	63	43
E72022034	22 x 3/4	69	48
E72028100	28 x 1	74	51

**Bend 90° (V)**

Product code	Size (mm)	L	Z
E20000015	15	45	25
E20000018	18	50	30
E20000022	22	54	33
E20000028	28	65	42
E20000035	35	77	52
E20000042	42	95	63
E20000054	54	114	78
E20000076	76.1	162	107
E20000089	88.9	188	128
E20000108	108	260	185



**Bend 90° (M)**

Product code	Size (mm)	L	Z
DE2000015	15	42.5	22
DE2000018	18	47	26.5
DE2000022	22	52.5	31.5
DE2000028	28	62	39
DE2000035	35	72	45
DE2000042	42	88	56
DE2000054	54	110	73
DE2000076	76.1	170	115
DE2000089	88.9	198	135
DE2000108	108	238	161

**Bend 90° with plain end (V)**

Product code	Size (mm)	L	L1	Z
E22000015	15	45	56	25
E22000018	18	53	58	33
E22000022	22	54	67	33
E22000028	28	65	78	42
E22000035	35	77	129	52
E22000042	42	95	174	63
E22000054	54	114	210	78
E22000076	76.1	166	248	106
E22000089	88.9	185	288	100
E22000108	108	229	337	152

**Bend 90° with plain end (M)**

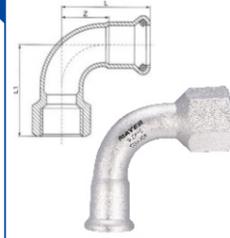
Product code	Size (mm)	L	L1	Z
DE2200015	15	42.5	45	22
DE2200018	18	47	52	26.5
DE2200022	22	52.5	58	31.5
DE2200028	28	62	73	39
DE2200035	35	72	87	45
DE2200042	42	88	100	56
DE2200054	54	110	128	73
DE2200076	76.1	170	186	115
DE2200089	88.9	198	214	135
DE2200108	108	229	260	185

**Bend 90° with female thread (V)**

Product code	Size (mm)	L	L1	Z
E23001512	15x1/2	45	43	25
E23001812	18x1/2	50	48	30
E23001834	18x3/4	50	49	30
E23002234	22x3/4	54	51	33
E23000281	28x1	65	64	42
E23035 114	35x11/4	77	76	52
E23042112	42x11/2	95	88	63
E23000542	54x2	114	110	78



**Bend adaptor 90° with female thread (M)**



Product code	Size (mm)	L	L1	Z
E23001512	15x1/2	42.5	40	22
E23001812	18x1/2	47	44	26.5
E23001834	18x3/4	55	60	34.5
E23002234	22x3/4	52.5	50	31.5
E23000281	28x1	62	62	39
E23035 114	35x11/4	72	70	45
E23042112	42x11/2	114	109	82
E23000542	54x2	114	136	107

**Bend adaptor 90° with male thread (V)**



Product code	Size (mm)	L	L1	Z
E25001512	15x1/2	45	46	25
E25001812	18x1/2	50	51	20
E25001834	18x3/4	50	54	20
E25002234	22x3/4	54	56	33
E25000281	28x1	65	69	42
E25035114	35x11/4	77	81	52
E25042112	42x11/2	95	92	63
E25000542	54x2	114	113	78

**Bend adaptor 90° with male thread (M)**



Product code	Size (mm)	L	L1	Z
DE2501512	15x1/2	42.5	42	22
DE2501812	18x1/2	47	47	26.5
DE2501834	18x3/4	59	61	38.5
DE2502234	22x3/4	52.5	55	31.5
DE2500281	28x1	62	65	39
DE2535114	35x11/4	72	75	45
DE2542112	42x11/2	88	87	56
DE2500542	54x2	110	112	73

**Elbow adaptor 90° with female thread (V)**



Product code	Size (mm)	L	L1	Z
E27001512	15x1/2	57	25.5	27
E27001812	18x1/2	58	29.5	38
E27002212	22x1/2	59	25	38
E27002234	22x3/4	59	31	38
E27000281	28x1	71	34	48

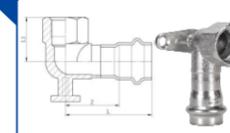
**Elbow adaptor 90° with female thread (M)**



Product code	Size (mm)	L	L1	Z
DE2701512	15x1/2	48	24	28
DE2701812	18x1/2	56	24	37
DE2702212	22x1/2	49	30	28
DE2702234	22x3/4	52	28	32
DE2700281	28x1	60	32	37



**Elbow 90° with wall plate (V)**



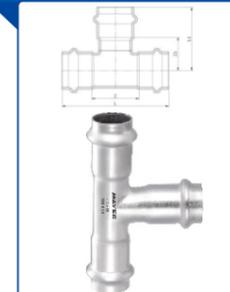
Product code	Size (mm)	L	L1	Z
E2D001512	15x1/2	55	26	25
E2D002234	22x3/4	59	30	38
E2D000281	28x1	61	33	38

**Elbow 90° with wall plate (M)**



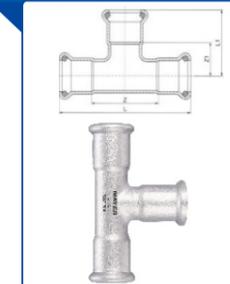
Product code	Size (mm)	L	L1	Z
DE2D01512	15x1/2	48	24	28
DE2D01234	22x3/4	52	28	32
DE2D00281	28x1			

**Equal Tee (V)**



Product code	Size (mm)	L	Z	L1	Z1
E30000015	15	70	30	43	23
E30000018	18	73	33	46	26
E30000022	22	78	36	48	27
E30000028	28	90	44	52	29
E30000035	35	107	57	64	39
E30000042	42	124	60	69	37
E30000054	54	160	88	75	39
E30000076	76.1	237	118	120	60
E30000089	88.9	263	130	132	65
E30000108	108	306	152	152	75

**Equal Tee (M)**



Product code	Size (mm)	L	Z	L1	Z1
E30000015	15	67	26	36	15.5
E30000018	18	70	29	37	16.5
E30000022	22	77	35	39	18
E30000028	28	88	42	44.5	21.5
E30000035	35	102	48	51.5	24.5
E30000042	42	120	56	60.5	28.5
E30000054	54	144	70	72.5	35.5
E30000076	76.1	232	110	115	64
E30000089	88.9	262	135	127	67
E30000108	108	312	156	152	76



**Reducing Tee (V)**



Product code	Size (mm)	L	Z	L1	Z1
E31001815	18x15	73	33	46	26
E31002215	22x15	78	36	47	27
E31002218	22x18	78	36	48	28
E31002815	28x15	90	44	50	30
E31002818	28x18	90	44	51	31
E31002822	28x22	90	44	52	31
E31003515	35x15	107	57	54	34
E31003518	35x18	107	57	55	35
E31003522	35x22	107	57	55	34
E31003528	35x28	107	57	56	33
E31004215	42x15	124	60	57	37
E31004218	42x18	124	60	58	38
E31004222	42x22	124	60	59	38
E31004228	42x28	124	60	60	37
E31004235	42x35	124	60	68	43
E31005415	54x15	160	88	63	43
E31005418	54x18	160	88	64	44
E31005422	54x22	160	88	65	44
E31005428	54x28	160	88	66	43
E31005435	54x35	160	88	71	46
E31005442	54x42	160	88	75	43
E31007642	76.1x42	237	118	87	55
E31007654	76.1x54	237	118	86	50
E31008954	88.9x54	263	130	93	57
E31008976	88.9x76.1	263	130	127	67
E31010854	108x54	306	152	102	66
E31010876	108x76.1	306	152	137	77
E31010889	108x88.9	306	152	141	74

**Reducing Tee (M)**



Product code	Size (mm)	L	Z	L1	Z1
DE3101815	18x15	70	29	37	16.5
DE3102215	22x15	77	35	39	18.5
DE3102218	22x18	77	35	39	18.5
DE3102815	28x15	88	42	42	21.5
DE3102818	28x18	88	42	42	21.5
DE3102822	28x22	88	42	42	21
DE3103515	35x15	102	48	45.5	25
DE3103518	35x18	102	48	45.5	25
DE3103522	35x22	102	48	46	25
DE3103528	35x28	102	48	48.5	25.5
DE3104215	42x15	120	56	48.5	28
DE3104218	42x18	120	56	48.5	28
DE3104222	42x22	120	56	49	28
DE3104228	42x28	120	56	51.5	28.5
DE3104235	42x35	120	56	56	29
DE3105415	54x15	144	70	55	34.5
DE3105418	54x18	144	70	55	34.5
DE3105422	54x22	144	70	55.5	34.5
DE3105428	54x28	144	70	58	35
DE3105435	54x35	144	70	61.5	34.5
DE3105442	54x42	144	70	68	36
DE3107635	76.1x35	232	120	94	67
DE3107642	76.1x42	232	120	103	71
DE3107654	76.1x54	232	120	115	78
DE3108954	88.9x54	262	135	121	84
DE3108976	88.9x76.1	262	135	121	70
DE3110854	108x54	312	156	130	93
DE3110876	108x76.1	312	156	130	79
DE3110889	108x88.9	312	156	130	80

**Female Tee (V)**



Product code	Size (mm)	L	L1	Z
E32001512	15x1/2	70	30	33
E32001812	18x1/2	73	33	35
E32001834	18x3/4	73	33	36
E32002212	22x1/2	78	36	36
E32002234	22x3/4	78	36	37
E32002812	28x1/2	90	44	39
E32002834	28x3/4	90	44	40
E32000281	28x1	90	44	44
E32003512	35x1/2	107	57	43
E32003534	35x3/4	107	57	44
E32035114	35x11/4	107	57	52
E32004212	42x1/2	124	60	46
E32004234	42x3/4	124	60	47
E32042112	42x11/2	124	60	57
E32005412	54x1/2	160	88	52
E32005434	54x3/4	160		53
E32000542	54x2	160	88	69
E32007634	76.1x3/4	238	118	83
E32000762	76.1x2	238	118	77
E32008934	88.9x3/4	264	130	89
E32000892	88.9x2	264	130	83
E32010834	108x3/4	306	152	99
E32001082	108x2	306	152	93

**Female Tee (M)**



Product code	Size (mm)	L	L1	Z
DE3201512	15x1/2	67	26	33.5
DE3201812	18x1/2	70	29	36
DE3201834	18x3/4	70	29	34
DE3202212	22x1/2	77	35	36.5
DE3202234	22x3/4	77	35	39
DE3202812	28x1/2	88	42	39
DE3202834	28x3/4	88	42	39
DE3200281	28x1	88	42	46.5
DE3203512	35x1/2	102	48	40.5
DE3203534	35x3/4	102	48	45
DE3235114	35x11/4	102	48	52.5
DE3204212	42x1/2	120	56	48
DE3204234	42x3/4	120	56	47
DE3242112	42x11/2	120	56	62
DE3205412	54x1/2	144	70	52
DE3200542	54x2	144	70	70.5
E32007634	76.1x3/4	233	131	66
E32000762	76.1x2	233	131	83
E32008934	88.9x3/4	262	142	72.5
E32000892	88.9x2	262	142	90.5
E32010834	108x3/4	315	163	84
E32001082	108x2	315	163	104



**Male Tee (V)**



Product code	Size (mm)	L	L1	Z
E34001512	15x1/2	70	30	36
E34001812	18x1/2	73	33	38
E34002212	22x1/2	78	36	39
E34002234	22x3/4	78	36	42
E34002812	28x1/2	90	44	42
E34002834	28x3/4	90	44	45
E34000281	28x1	90	44	49
E34003512	35x1/2	107	57	46
E34003534	35x3/4	107	57	49
E34035114	35x11/4	107	57	57
E34004212	42x1/2	124	60	49
E34004234	42x3/4	124	60	52
E34042112	42x11/2	124	60	60
E34005412	54x1/2	160	88	55
E34005434	54x3/4	160	88	58
E34000542	54x2	160	88	72
E34007634	76.1x3/4	238	118	89
E34000762	76.1x2	238	118	84
E34008934	88.9x3/4	264	130	95
E34000892	88.9x2	264	130	90
E34010834	108x3/4	306	152	105
E34001082	108x2	306	152	100

**Male Tee (M)**



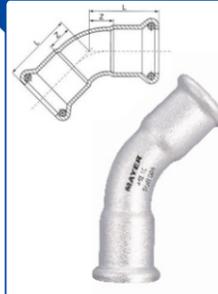
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DE3401512	15x1/2	67	26	28
DE3401812	18x1/2	70	29	39
DE3402212	22x1/2	77	35	39
DE3402234	22x3/4	77	35	42
DE3402812	28x1/2	88	42	42
DE3402834	28x3/4	88	42	45
DE3400281	28x1	88	42	48
DE3403512	35x1/2	102	48	45.5
DE3403534	35x3/4	102	48	48.5
DE3435114	35x11/4	102	48	55.5
DE3404212	42x1/2	120	56	50
DE3404234	42x3/4	120	56	53
DE3442112	42x11/2	120	56	62
DE3405412	54x1/2	143	69	56
DE3405434	54x3/4	143	69	61
DE3454254	54x2	143	69	76
DE3407634	76.1x3/4	233	131	72
DE3400762	76.1x2	233	131	89
DE3408934	88.9x3/4	262	142	80.5
DE3400892	88.9x2	262	142	95.5
DE3410834	108x3/4	315	163	88
DE3401082	108x2	315	163	109

**Bend 45° (V)**



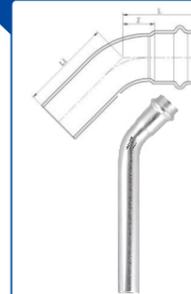
Product code	Size (mm)	L	Z
E40000015	15	34	14
E40000018	18	36	16
E40000022	22	38	17
E40000028	28	44	21
E40000035	35	52	27
E40000042	42	63	31
E40000054	54	73	37
E40000076	76.1	115	55
E40000089	88.9	129	64
E40000108	108	164	68

**Bend 45° (M)**



Product code	Size (mm)	L	Z
DE4000015	15	31	10.5
DE4000018	18	32	11.5
DE4000022	22	36	15
DE4000028	28	40.5	17.5
DE4000035	35	47	20
DE4000042	42	57	25
DE4000054	54	69	32
DE4000076	76.1	110	55
DE4000089	88.9	128	65
DE4000108	108	153	76

**Bend 45° with plain end (V)**



Product code	Size (mm)	L	L1	Z
E41000015	15	34	41	14
E41000018	18	36	42	16
E41000022	22	38	48	17
E41000028	28	44	54	21
E41000035	35	52	81	27
E41000042	42	63	99	31
E41000054	54	73	127	37
E41000076	76.1	115	205	55
E41000089	88.9	125	230	58
E41000108	108	145	255	68

**Bend 45° with plain end (M)**



Product code	Size (mm)	L	L1	Z
DE4100015	15	31	33	10.5
DE4100018	18	32	34	11.5
DE4100022	22	36	39	15
DE4100028	28	40.5	48	17.5
DE4100035	35	47	54	20
DE4100042	42	57	66	25
DE4100054	54	69	82	32
DE4100076	76.1	110	126.5	55
DE4100089	88.9	128	144	65
DE4100108	108	153	168	77



Cap (V)

Product code	Size (mm)	L	Z
E5000015	15	41	21
E5000018	18	42	22
E5000022	22	44	23
E5000028	28	45	22
E5000035	35	43	18
E5000042	42	50	18
E5000054	54	58	22
E5000076	76.1	94	34
E5000089	88.9	104	39
E5000108	108	125	48

Cap (M)

Product code	Size (mm)	L	Z
DE5000015	15	33.5	13
DE5000018	18	34.5	14
DE5000022	22	33	12
DE5000028	28	37	14
DE5000035	35	41	14
DE5000042	42	47	15
DE5000054	54	52.5	15.5
DE5000076	76.1	85	34
DE5000089	88.9	97	37
DE5000108	108	105	29

Crossover

Product code	Size (mm)	L	L1
E51000015	15	175	32
E51000018	18	204	43
E51000022	22	212	43
E51000028	28	261	53

Flange (V)

Product code	Size (mm)	L	Z
E53000028	28	77	54
E53000035	35	73	48
E53000042	42	79	47
E53000054	54	81	45
E53000076	76.1	113	53
E53000089	88.9	119	52
E5300108	108	134	57

Flange (M)

Product code	Size (mm)	L	Z
DE5300028	28	115	92
DE5300035	35	140	113
DE5300042	42	150	118
DE5300054	54	165	128
DE5300076	76.1	185	134
DE5300089	88.9	200	140
DE5300108	108	220	144



Fittings Specifications

Grooved Reducing Coupling

Product code	Size (mm)
G11008065	DN80X65
G11010065	DN100X65
G11010080	DN100X80
G11012565	DN125X65
G11012580	DN125X80
G11125100	DN125X100
G11015065	DN150X65
G11015080	DN150X80
G11150100	DN150X100
G11150125	DN150X125
G11020065	DN200X65
G11020080	DN200X80
G11200100	DN200X100
G11200125	DN200X125
G11200150	DN200X150
G11025065	DN250X65
G11025080	DN250X80
G11250100	DN250X100
G11250125	DN250X125
G11250150	DN250X150
G11250200	DN250X200
G11030065	DN300X65
G11030080	DN300X80
G11300100	DN300X100
G11300125	DN300X125
G11300150	DN300X150
G11300200	DN300X200
G11300250	DN300X250

Grooved Bend 90°

Product code	Size (mm)
G20000065	DN65
G20000080	DN80
G20000100	DN100
G20000125	DN125
G20000150	DN150
G20000200	DN200
G20000250	DN250
G20000300	DN300

Grooved Tee

Product code	Size (mm)
G30000065	DN65
G30000080	DN80
G30000100	DN100
G30000125	DN125
G30000150	DN150
G30000200	DN200
G30000250	DN250
G30000300	DN300



### Grooved Reducing Tee



Product code	Size (mm)
G31008065	DN80X65
G31010065	DN100X65
G31010080	DN100X80
G31012565	DN125X65
G31012580	DN125X80
G31125100	DN125X100
G31015065	DN150X65
G31015080	DN150X80
G31150100	DN150X100
G31150125	DN150X125
G31020065	DN200X65
G31020080	DN200X80
G31200100	DN200X100
G31200125	DN200X125
G31200150	DN200X150
G31025065	DN250X65
G31022080	DN250X80
G31250100	DN250X100
G31250125	DN250X125
G31250150	DN250X150
G31250200	DN250X200
G31030065	DN300X65
G31030080	DN300X80
G31300100	DN300X100
G31300125	DN300X125
G31300150	DN300X150
G31300200	DN300X200
G31300250	DN300X250

### Grooved Bend 45°



Product code	Size (mm)
G4000065	DN65
G4000080	DN80
G4000100	DN100
G4000125	DN125
G4000150	DN150
G4000200	DN200
G4000250	DN250
G4000300	DN300

### Grooved Flange



Product code	Size (mm)
G5300065	DN65
G5300080	DN80
G5300100	DN100
G5300125	DN125
G5300150	DN150
G5300200	DN200
G5300250	DN250
G5300300	DN300



### Grooved Coupling



Product code	Size (mm)
G3800065	DN65
G3800080	DN80
G3800100	DN100
G3800125	DN125
G3800150	DN150
G3800200	DN200
G3800250	DN250
G3800300	DN300

### Type of Water Manifold



\* 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

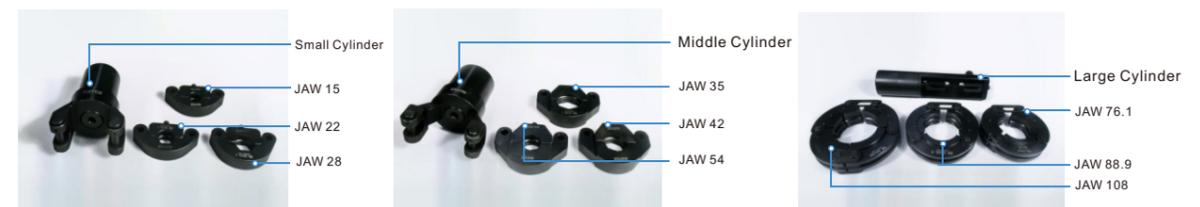
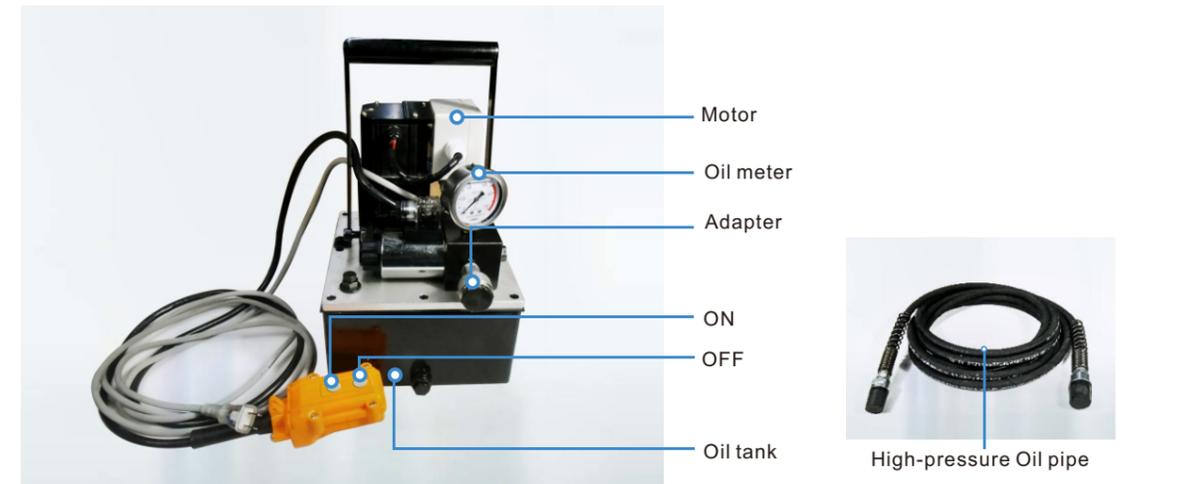
## RIDGID pres tool



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



Taipei 101 Building



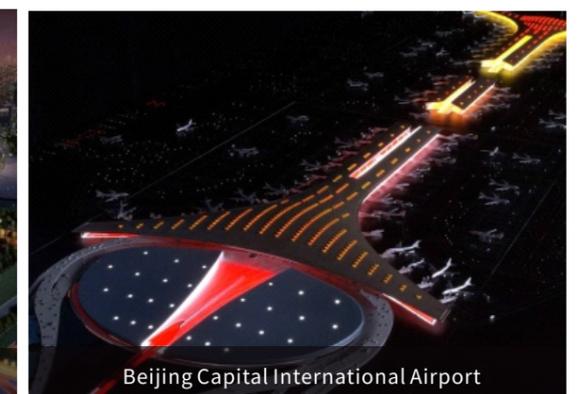
The First Affiliated Hospital of Kunming Medical University

The Sixth Affiliated Hospital of Sun Yat-sen University

Peking Union Medical College Hospital



Beijing Qixing Morgan Plaza



Beijing Capital International Airport



Kunming International Convention & Exhibition Center



Qingdao Haiquan Bay Resort



Shanghai Pudong international airport



University of Macau



Howard Johnson Changsheng Plaza Meizhou



Guangzhou Floloving Hotel

## APPLICATION OF MAYER'S PRODUCTS IN PROJECTS

CITIC Tower Beijing  
GTC Tower Nairobi Kenya  
Sanya ZTE Talent Exchange Centre  
Shudu Centre  
Vanke Real Estate  
Zhujiang New Town  
Beijing Institute Of Technology

Shenzhen Water Group  
The Beijing Administrative Office Center  
Beijing Huawei Technology Plant  
Yunnan Provincial Museum  
Haikou Wormhole Library  
Zhuhai Chimelong Penguin Hotel  
Zhuhai Chimelong Circus Hotel

