

STAINLESS STEEL PRESS FITTINGS & PIPES

BS EN 10312:2002 BS EN 1254-2:1998



Updated on: 2026.06.25

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Our Products
(SS304 & SS316L)

BENEFITS OF **CC** PRESSFIT SYSTEM



- Quick & Easy installation compared to conventional joint system.



- Just simply *Cut, Fit & Press* to a perfect, safe and consistent joint throughout.



- No hot work process to form the joint.



- Simple system — does not require any professional installer.



- Light material & Easy handling.



MATERIAL & PROPERTIES OF **CC** PRESSFIT SYSTEM

- Excellent strength and corrosion resistant properties.
- 100% recyclable thus environmentally friendly & sustainable material.
- Working temperature: 0°C to 95°C.
- Working pressure — 16 bar, tested to 25 bar.
- O ring is of EPDM that can withstand pressure, temperature & good aging resistance properties.
- Rubber complies to SS270 & SS375.



Comply with BSEN1254-2:1998



To execute the jointing of the pipe to the fitting, cut the pipe to the desired length with a proper pipe cutter.



Mark the insertion depth on the pipe with the fitting to be joined. This is to ensure that the pipe is inserted to the correct depth for a good joint. This is also to ensure that the pipe is not shifted away during the clamping process.



Before inserting the pipe to the socket of the fitting, it is important to ensure the cut end of the pipe is free from burrs so that the rubbering will not be cut by the sharp edges during the pushing process. Push the pipe into the socket of the fitting to the desired marking.



Select the correct size of the clamping jaw to be used and fit to the clamping machine. Check and clean the jaws to be free from debris and in good working condition.



Open the jaws of the clamp and locate the recessed groove on the jaws over the raised profile of the socket on the fittings such that they fit properly.



Press the start button on the press machine to perform the press joint. The machine will open the jaws automatically when the correct pressure is applied and the joint is complete.



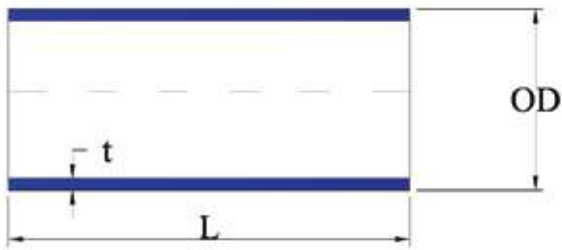
Visually inspect the press marks to be uniform and the pipe is properly inserted to full insertion by the location of the marking.

Comply with BSEN10312:2002, BS 3605:Part2:1992

STAINLESS STEEL 304 PIPE

Pipe Specification

Material	Stainless Steel 304
Length	5800mm
Working Pressure	16 bar
Testing Pressure	30 ~ 50 bar



DIMENSIONS

NOMINAL DIAMETER OD (mm)	t (mm)	L (mm)	WEIGHT (Kg) approx.
15	0.6	5.8	1.25
22	0.7	5.8	2.20
28	0.8	5.8	3.10
35	1.0	5.8	5.00
42	1.1	5.8	6.50
54	1.2	5.8	9.10
67	1.2	5.8	14
76	1.5	5.8	16
108	1.5	5.8	23
168.3	2	5.8	-

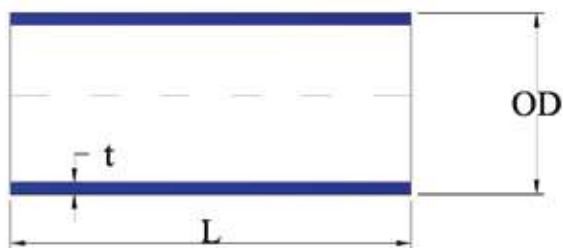


Comply with BSEN10312:2002, BS 3605:Part2:1992

STAINLESS STEEL 316L PIPE

Pipe Specification

Material	Stainless Steel 316L
Length	5800mm
Working Pressure	16 bar
Testing Pressure	30 ~ 50 bar

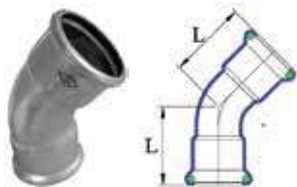


DIMENSIONS

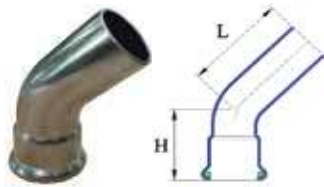
NOMINAL DIAMETER OD (mm)	t (mm)	L (mm)	WEIGHT (Kg) approx.
15	0.6	5.8	1.25
22	0.7	5.8	2.20
28	0.8	5.8	3.10
35	1.0	5.8	5.00
42	1.1	5.8	6.50
54	1.2	5.8	9.10
67	1.2	5.8	14
76	1.5	5.8	16
108	1.5	5.8	23
168.3	2	5.8	-



Comply with BSEN1254-2:1998

45° BEND**DIMENSIONS**

SIZE (mm)	L (mm)	WEIGHT (Kg)
15	30	0.039
22	35	0.078
28	40	0.115
35	47	0.136
42	55	0.220
54	66	0.270
67	93	0.610
76	107	0.818
108	145	1.620
168.3	-	-

M/F 45° BEND**DIMENSIONS**

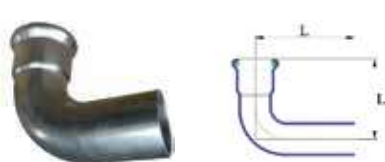
SIZE (mm)	L (mm)	H (mm)	WEIGHT (Kg)
15	37	32	0.033
22	42	37	0.078
28	47	42	0.111
35	55	49	0.150
42	63	57	0.208
54	75	68	0.305

REDUCER**DIMENSIONS**

SIZE (mm)	L (mm)	WEIGHT (Kg)
22 X 15	66	0.056
28 X 15	75	0.076
28 X 22	68	0.082

90° BEND**DIMENSIONS**

SIZE (mm)	L (mm)	WEIGHT (Kg)
15	41	0.047
22	50	0.078
28	60	0.126
35	72	0.180
42	85	0.238
54	105	0.380
67	140	0.785
76	160	0.980
108	221	2.115
168.3	-	-

M/F 90° BEND**DIMENSIONS**

SIZE (mm)	L (mm)	L1 (mm)	WEIGHT (Kg)
15	51	41	0.050
22	75	63	0.095
28	80	68	0.133
35	102	92	0.215
42	110	99	0.270
54	133	105	0.418

REDUCER 90° BEND**DIMENSIONS**

SIZE (mm)	L1 (mm)	L (mm)	WEIGHT (Kg)
22	40	58	0.070
28	40	70	0.128

LONG SOCKET**DIMENSIONS**

SIZE (mm)	L (mm)	WEIGHT (Kg)
15	82	0.055
22	88	0.088
28	97	0.123
35	108	0.155
42	118	0.185
54	136	0.296

Comply with BSEN1254-2:1998

SOCKET COUPLING



DIMENSIONS

SIZE (mm)	L (mm)	WEIGHT (Kg)
15	52	0.038
22	55	0.058
28	60	0.076
35	64	0.100
42	75	0.143
54	85	0.208
76	-	-
108	-	-
168.3	-	-

M/F REDUCER



DIMENSIONS

SIZE (mm)	L (mm)	WEIGHT (Kg)
22 X 15	65	0.061
28 X 15	78	0.060
28 X 22	70	0.067
35 X 15	90	0.080
35 X 22	85	0.092
35 X 28	85	0.088
42 X 15	97	0.130
42 X 22	94	0.118
42 X 28	93	0.126
42 X 35	88	0.138
54 X 22	116	0.150
54 X 28	115	0.158
54 X 35	106	0.215
54 X 42	105	0.197

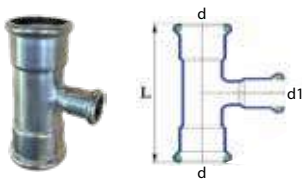
EQUAL TEE



DIMENSIONS

SIZE (mm)	L (mm)	L1 (mm)	WEIGHT (Kg)
15	70	52	0.113
22	80	54	0.135
28	87	60	0.131
35	100	66	0.208
42	118	75	0.273
54	142	85	0.418
67	205	100	0.880
76	232	115	1.210
108	308	152	2.320
168.3	-	-	-

REDUCING TEE



DIMENSIONS

d (mm)	d1 (mm)	L (mm)	WEIGHT (Kg)
108	54	312	0.196
168.3	76.1	-	-
168.3	88.9	-	-
168.3	108	-	-
168.3	139.7	-	-

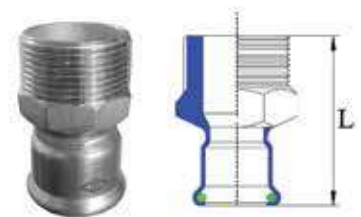
END CAP



DIMENSIONS

SIZE (mm)	L (mm)	WEIGHT (Kg)
15	32	0.025
22	43	0.042
28	45	0.060
35	50	0.078
42	52	0.108
54	62	0.155

MI SOCKET

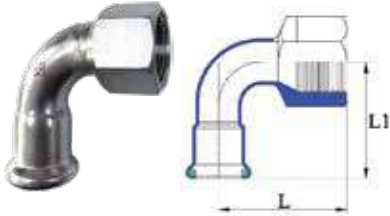


DIMENSIONS

SIZE (mm)	L (mm)	WEIGHT (Kg)
15 X 1/2"	56	0.045
22 X 3/4"	57	0.106
28 X 1"	63	0.155
35 X 1 1/4"	87	0.185
42 X 1 1/2"	96	0.280
42 X 2"	97	0.360
54 X 2"	98	0.405

Comply with BSEN1254-2:1998

FI 90° BEND



DIMENSIONS

SIZE (mm)	L (mm)	H (mm)	WEIGHT (Kg)
15 X ½"	56	45	0.069
54 X 2"	117	112	0.550

FI TEE



DIMENSIONS

SIZE (mm)	L (mm)	L1 (mm)	WEIGHT (Kg)
15 X ½"	70	35	0.070
22 X ½"	80	39	0.102

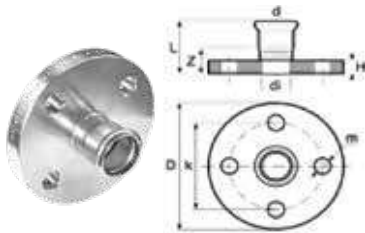
MI TEE



DIMENSIONS

SIZE (mm)	L (mm)	L1 (mm)	WEIGHT (Kg)
15 X ½"	70	35	0.069
22 X ½"	80	40	0.105
22 X ¾"	80	42	0.143
28 X ½"	87	44	0.127
28 X ¾"	87	46	0.175
28 X 1"	87	51	0.210
35 X 1"	100	55	0.256
35 X 1 ¼"	100	60	0.270
42 X ¾"	118	54	0.280
42 X 1"	118	60	0.316
42 X 1 ¼"	118	64	0.332
42 X 1 ½"	118	64	0.425
54 X ½"	142	56	0.340
54 X ¾"	142	59	0.390
54 X 1"	142	64	0.420
54 X 1 ¼"	142	69	0.438
54 X 1 ½"	142	70	0.520

FLANGE WITH SOCKET



DIMENSIONS

d (mm)	D (mm)	di (mm)	L (mm)	H (mm)	m (mm)	K (mm)	Z (mm)	WEIGHT (Kg)
54	165	51	76	18	20	125	43	0.226
76.1	185	72	126	20	18	145	69	0.363
108	220	104.2	168	22	18	180	85	0.536
168.3	285	-	-	-	-	240	-	-

FI SOCKET



DIMENSIONS

SIZE (mm)	L (mm)	WEIGHT (Kg)
15 X ½"	56	0.045
22 X ¾"	57	0.106
28 X 1"	63	0.155
35 X 1 ¼"	87	0.185
42 X 1 ½"	96	0.280
42 X 2"	97	0.360
54 X 2"	98	0.405

MI 90°BEND



DIMENSIONS

SIZE (mm)	L (mm)	L1 (mm)	WEIGHT (Kg)
15 X ½"	55	50	0.063
22 X ½"	62	60	0.100
22 X ¾"	62	59	0.133
28 X ½"	73	63	0.132
28 X 1"	80	64	0.201
35 X 1 ¼"	78	82	0.245
42 X 1 ½"	110	113	0.400
54 X 2"	128	125	0.650

FLANGE BEND



DIMENSIONS

SIZE (mm)	L (mm)	H (mm)	G (mm)	WEIGHT (Kg)
15 X ½"	49	47	29	0.091

Our Custom Services



Welding



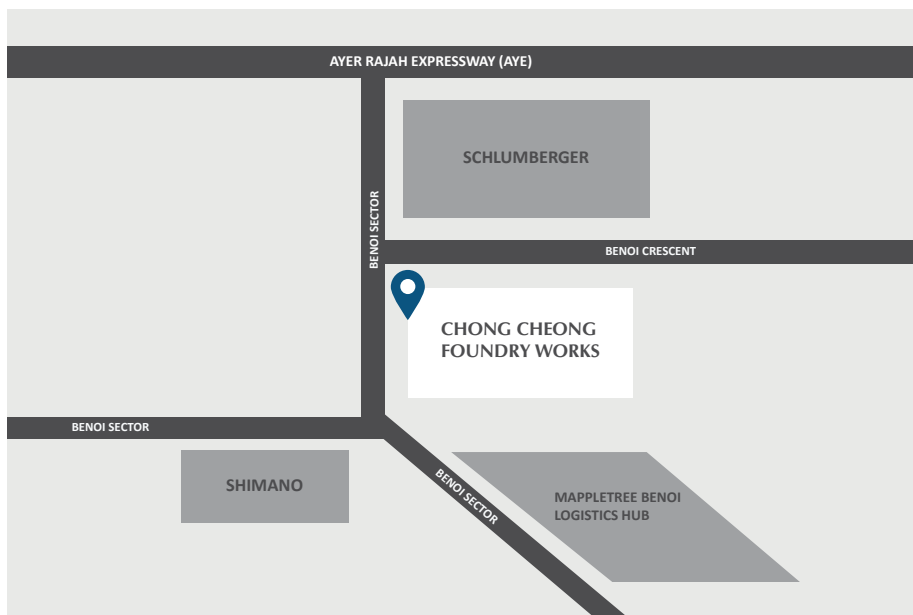
Sawing Machine



CNC Milling Machine



Pipe Threading



**CHONG CHEONG
FOUNDRY WORKS PTE LTD**

Contact Us

Please feel free to contact us via e-mail or phone. We will be glad to answer your questions, concerns and/or feedback.

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