

DUCTILE IRON FITTINGS

BS EN 545:2010 BS EN 598:2007+A1:2009



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Our Products

A close-up photograph of industrial pipes and fittings. The pipes are white and have several flanged connections with multiple bolts. The background is slightly blurred, showing more of the industrial structure.

Quality Assurance

All our pipes and fittings are manufactured adhering to strict quality control process by ISO 9001 Certified factories.

Our products are strictly monitored for defects before leaving our factories, ensuring realibility always.

We have your logistic requirements in mind by maintanang a stock level (commonly used) that will meet to your demand and definitely reducing your downtime that are so often caused by unavailability of materials.

Our ISO resolution and our pledge to all our valued customer:-

- A reliable product always from CC.
- Customer's confidence and satisfaction.
- On time supply and minimise customer complaints.

BENEFITS OF CC DUCTILE IRON PIPE SYSTEM

INHERENT HIGH IMPACT STRENGTH



- Making it a strong and durable material for pipes and fittings.
- It also offers rigidity when assembled to endure external forces which would considerably damage lesser material.

SUPERIOR NOISE SUPPRESSION



- Cast iron significantly reduces noise caused by fluid transmission, expansion and contraction, does greatly reduces extra cost on sound insulation.

LOW THERMAL EXPANSION



- Reduces complicated piping system and the need for expensive expansion joints.

CORROSION RESISTANCE



- The most significant of all properties. Cast iron effectively resist corrosion from solutions commonly found in the drain, waste and kitchen effluents.
- Our CC Brand of cast iron fittings are also coated internally with black bituminous paint/epoxy paint to give that added corrosion resistant properties.

FIRE PROOF & NON-TOXIC



- Give added protection and reduce risk due to its fireproof and non-toxic characteristic when subjected to above normal temperatures.

Ductile Iron Fitting Technical Information

Mechanical properties

Tensile strength (N/mm ²)	Elongation (%)	Hardness (HB)
Min. 420	Min. 5	Max. 250

Hydrostatic test pressure and holding time

Nominal Ø (DN)	Hydrostatic pressure (bar)	Holding time (second)
80 to 300	25	Min. 15
350 to 600	16	
700 to 1000	10	

Standard coating and lining

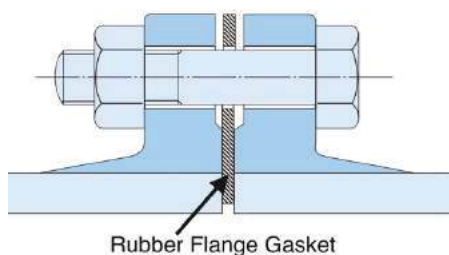
External coating	Internal lining
Black bituminous paint	Cement mortar lining

Thickness of cement mortar lining

Nominal Ø (DN)	Nominal thickness (mm)	Lining deviation
80 to 300	4	-1.5
350 to 600	5	-2.0
700 to 1200	6	-2.5

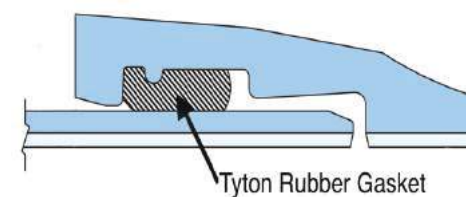
Joint Structure

Flange Joint



The flange joint is a watertight sealed by tightening the bolts and compressions of the gasket between the two faces of the flanges. It is a self-restrained RIGID joint and it will not absorb longitudinal or lateral ground movement. It does not allow deflection or expansion. As such it is seldom and not recommended for underground use because of ground shift stress may damage the integration of the joint, with the exception for some area of connecting valves and fittings use. It is ideal for over-ground and exposed installation with the ease of installation and removal when needed.

Push-On / Tyton Joint



The push-on joint, also know as socket-spigot joint, comprise of a special bell with an internal groove, a plain end, and rubber gasket which is seated into the bell's groove. This joint forms a watertight seal even at pipe busting pressures and allows deflection in any direction up to 5 degrees. If the internal pressure increases, the rubber gasket becomes even stronger, blocking the water surface; it has a self-sealing functionality that allows it to response to changes in hydraulic pressure, and aiding in its tight connection to the inlet pipe. The push-on method also allows easy and speedy jointing even in restricted space, or during adverse weather conditions as it does not required special tools or equipments other than a rubber gasket. For normal soil condition, no special bedding required and can be backfilled by excavated soil. This reduces the pipe laying cost and time while increasing efficiency. Unlike the flange joint, this joint is not self-restrained.

Our CC DI fittings are seen applied in these various project references:



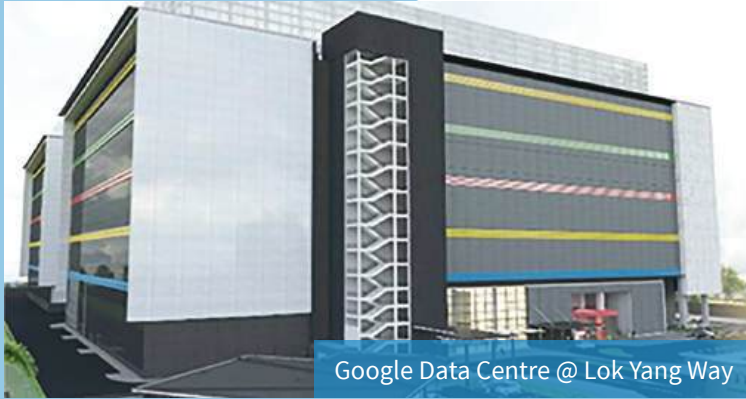
The Artra @ Alexandra View



Paya Lebar Quarter



Whistler Grand @ West Coast Vale



Google Data Centre @ Lok Yang Way



Funan Digital Mall



Digital Loyang 2 (Sin 12) Digital Realty Trust



Centrium Square



PUB Water Hub @ Toh Guan



The Woodleigh Residences

Ductile iron fittings are suitable for usage in the transport and distribution of potable water. These are ideal for underground laying of main distribution lines.

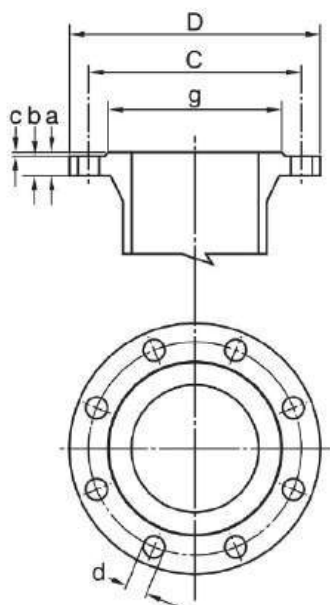


Mandai Bird Park @ Mandai Road

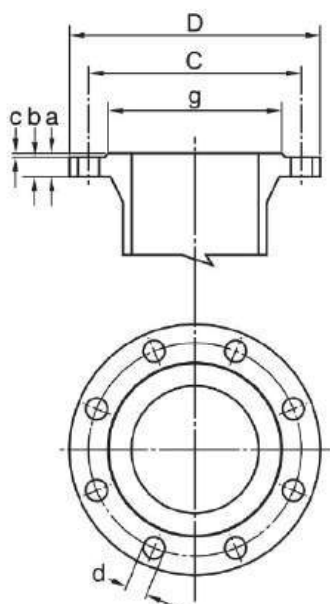


OUR PRODUCTS



Flange drilled BS EN 1092-2 **PN10**

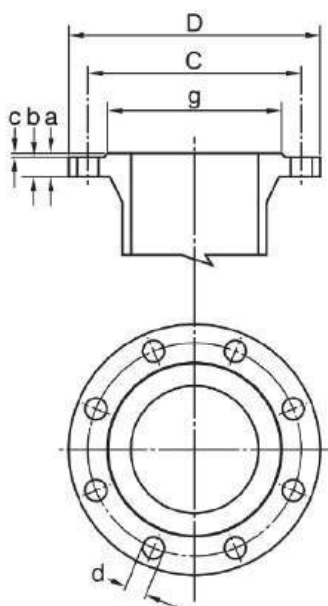
Nominal Ø DN	D mm	C mm	g mm	a mm	b mm	c mm	Bolt		
							Size and Length (mm)	No. bolt	d mm
50	165	125	98	19.0	16.0	3	M16 x 65	4	19
80	200	160	132	19.0	16.0	3	M16 x 65	8	19
100	220	180	156	19.0	16.0	3	M16 x 65	8	19
150	285	240	211	19.0	16.0	3	M20 x 70	8	23
200	340	295	266	20.0	17.0	3	M20 x 70	8	23
250	400	350	319	22.0	19.0	3	M20 x 80	12	23
300	455	400	370	24.5	20.5	4	M20 x 80	12	23
350	505	460	429	24.5	20.5	4	M20 x 80	16	23
400	565	515	480	24.5	20.5	4	M24 x 85	16	28
450	615	565	530	25.5	21.5	4	M24 x 85	20	28
500	670	620	582	26.5	22.5	4	M24 x 90	20	28
600	780	725	682	30.0	25.0	5	M27 x 100	20	31
700	895	840	794	32.5	27.5	5	M27 x 110	24	31

Flange drilled BS EN 1092-2 **PN16** (Supplied as standard)

Nominal Ø DN	D mm	C mm	g mm	a mm	b mm	c mm	Bolt		
							Size and Length (mm)	No. bolt	d mm
32	140	100	78	18.0	16.0	2	M16 x 65	4	19
40	150	110	84	19.0	16.0	3	M16 x 65	4	19
50	165	125	98	19.0	16.0	3	M16 x 65	4	19
65	185	145	118	19.0	16.0	3	M16 x 65	4	19
80	200	160	132	19.0	16.0	3	M16 x 65	8	19
100	220	180	156	19.0	16.0	3	M16 x 65	8	19
150	285	240	211	19.0	16.0	3	M20 x 70	8	23
200	340	295	266	20.0	17.0	3	M20 x 70	12	23
250	400	355	319	22.0	19.0	3	M24 x 85	12	28
300	455	410	370	24.5	20.5	4	M24 x 85	12	28
350	520	470	432	26.5	22.5	4	M24 x 85	16	28
400	580	525	480	28.0	24.0	4	M27 x 100	16	31
450	640	585	548	30.0	26.0	4	M27 x 100	20	31
500	715	650	609	31.5	27.5	4	M30 x 110	20	34
600	840	770	720	36.0	31.0	5	M33 x 120	20	37
700	910	840	794	39.5	34.5	5	M33 x 130	24	37
800	1025	950	901	43.0	38.0	5	M36 x 140	24	40
900	1125	1050	1001	46.5	41.5	5	M36 x 140	28	40
1000	1255	1170	1112	50.0	45.0	5	M39 x 160	28	43
1100	1355	1270	1218	53.5	48.5	5	M39 x 160	32	43
1200	1485	1390	1328	57.0	52.0	5	M45 x 180	32	49

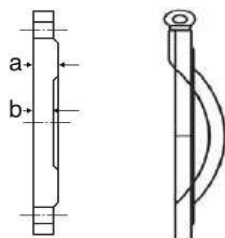
PN 16 flanges are supplied as standard for working pressure up to 16 bar.

Flange drilled BS EN 1092-2 PN25



Nominal Ø DN	D mm	C mm	g mm	a mm	b mm	c mm	Bolt		
							Size and Length (mm)	No. bolt	d mm
50	165	125	98	19.0	16.0	3	M16 x 65	4	19
80	200	160	132	19.0	16.0	3	M16 x 65	8	19
100	235	190	156	19.0	16.0	3	M20 x 70	8	23
150	300	250	211	20.0	17.0	3	M24 x 85	8	28
200	360	310	274	22.0	19.0	3	M24 x 85	12	28
250	425	370	330	24.5	21.5	3	M27 x 100	12	31
300	485	430	389	27.5	23.5	4	M27 x 100	16	31
350	555	490	448	30.0	26.0	4	M30 x 110	16	34
400	620	550	503	32.0	28.0	4	M33 x 120	16	37
450	670	600	548	34.5	30.5	4	M33 x 120	20	37
500	730	660	609	36.5	32.5	4	M33 x 120	20	37
600	845	770	720	42.0	37.0	5	M36 x 140	20	40
700	960	875	820	46.5	41.5	5	M39 x 150	24	43

Blank/Blind Flange



DN32 - DN300 DN350 - DN1200

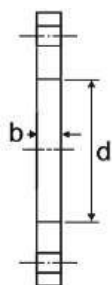
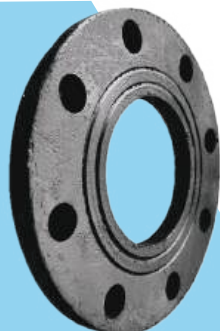
Nominal Ø DN	a mm	b mm	Mass kg
32	18.0	16.0	1.8
40	19.0	16.0	2.0
50	19.0	16.0	2.4
65	19.0	16.0	3.1
80	19.0	16.0	3.5
100	19.0	16.0	4.3
150	19.0	16.0	7.2
200	20.0	17.0	10.8
250	22.0	19.0	16.6
300	24.5	20.5	23.5
350	26.5	22.5	33.5
400	28.0	24.0	44.5
450	30.0	26.0	60.0
500	31.5	27.5	77.0
600	36.0	31.0	121
700	39.5	34.5	156
800	43.0	38.0	218
900	46.5	41.5	286
1000	50.0	45.0	387
1100	53.5	48.5	509
1200	57.0	52.0	653

Flange with BSP threaded hole



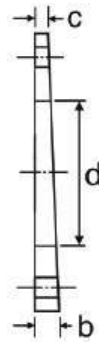
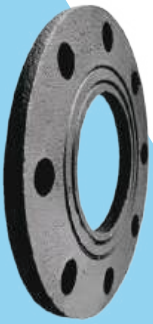
Nominal Ø DN	BSP threaded hole size inch
50	½, 1, 1¼, 1½, 2
80	½, ¾, 1, 1¼, 1½, 2, 2½, 3
100	½, ¾, 1, 1¼, 1½, 2, 2½, 3
150	½, 1, 1¼, 1½, 2, 2½, 3
200	½, 1, 2
250	½, 1
300	½,

Insert Flange



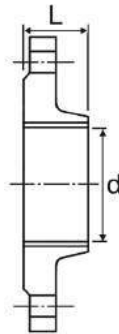
Nominal Ø DN	b mm	d mm	Mass kg
80	16.0	82	2.6
100	16.0	102	2.6
150	16.0	150	4.7
200	17.0	202	7.2
250	19.0	250	9.2
300	20.5	305	10.5

Taper Flange



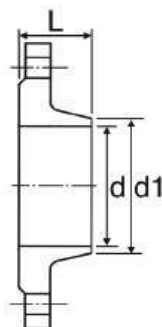
Nominal Ø DN	b mm	c mm	d mm	Mass kg
80	14.0	8.0	82	1.9
100	14.0	8.0	102	2.1
150	14.0	8.0	150	3.0
200	16.0	8.0	202	5.0

Screw-on Flange to Ductile Iron Pipe (BSP threaded)



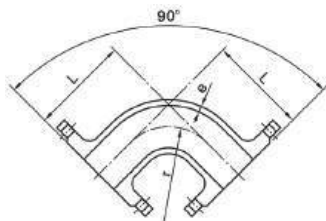
Nominal Ø DN	d mm	L mm	Mass kg
80	93.5	28.0	2.9
100	113.0	28.0	3.3
100	115.0	28.0	3.3
150	165.0	32.0	4.9
150	167.0	32.0	4.9
200	217.0	45.0	6.6
250	268.5	47.0	9.2
300	318.5	47.0	12.4
350	371.5	55.0	17.2
400	422.0	58.0	21.9

Weld-on Flange to Ductile Iron Pipe



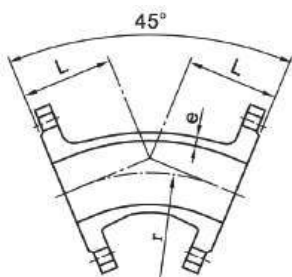
Nominal Ø DN	d mm	d1 mm	L mm	Mass kg
80	95.0	115.0	43.0	3.4
100	113.0	134.0	45.0	3.9
150	163.0	187.0	50.0	5.9
200	217.0	241.0	55.0	8.0
250	267.0	294.0	60.0	12.0
300	323.0	346.0	65.0	15.2
350	375.0	400.0	70.0	21.5
400	421.0	453.0	75.0	28.5

90° Double Flanged Bend



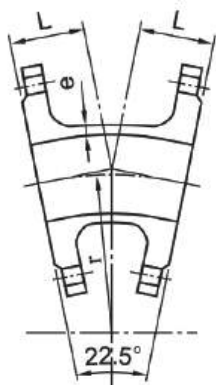
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	165	115	9.7
100	7.2	180	120	11.9
150	7.8	220	155	20.0
200	8.4	260	190	30.5
250	9.0	350	275	49.0
300	9.6	400	315	69.0
350	10.2	450	360	96.0
400	10.8	500	405	126
450	11.4	550	450	160
500	12.0	600	490	210
600	13.2	700	580	324
700	14.4	800	685	423
800	15.6	900	785	571
900	16.8	1000	875	750
1000	18.0	1100	965	990
1100	19.2	1200	1055	1233
1200	20.4	1300	1145	1573

45° Double Flanged Bend



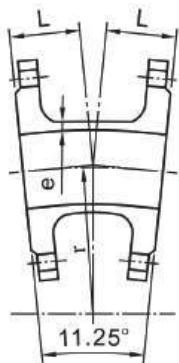
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	130	190	9.3
100	7.2	140	200	11.3
150	7.8	160	230	18.5
200	8.4	180	265	27.0
250	9.0	350	660	54.0
300	9.6	400	765	76.0
350	10.2	298	505	82.0
400	10.8	324	550	106
450	11.4	350	595	132
500	12.0	375	645	174
600	13.2	426	735	264
700	14.4	478	875	335
800	15.6	529	1000	444
900	16.8	581	1100	576
1000	18.0	632	1200	757
1100	19.2	694	1300	931
1200	20.4	750	1400	1187

22.5° Double Flanged Bend



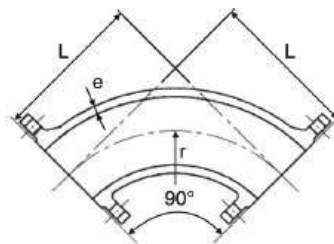
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	105	395	9.2
100	7.2	110	410	11.5
150	7.8	109	480	18.6
200	8.4	131	555	27.0
250	9.0	190	1370	54.5
300	9.6	210	1595	77.5
350	10.2	210	1050	83.0
400	10.8	239	1145	107
450	11.4	253	1240	135
500	12.0	272	1340	176
600	13.2	320	1535	267
700	14.4	300	1825	342
800	15.6	529	2080	448
900	16.8	581	2295	588
1000	18.0	631	2500	773
1100	19.2	683	2705	952
1200	20.4	735	2915	1213

11.25° Double Flanged Bend



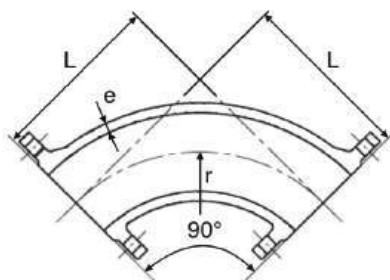
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	113	800	9.2
100	7.2	115	830	11.5
150	7.8	113	975	18.6
200	8.4	132	1115	27.5
250	9.0	165	2770	55.0
300	9.6	175	3220	78.0
350	10.2	191	2120	83.5
400	10.8	205	2315	108
450	11.4	220	2505	135
500	12.0	233	2710	177
600	13.2	274	3095	268
700	14.4	230	3685	343
800	15.6	529	4200	451
900	16.8	581	4630	592
1000	18.0	632	5045	778
1100	19.2	683	5460	957
1200	20.4	735	5890	1220

90° Double Flanged Long Radius Bend



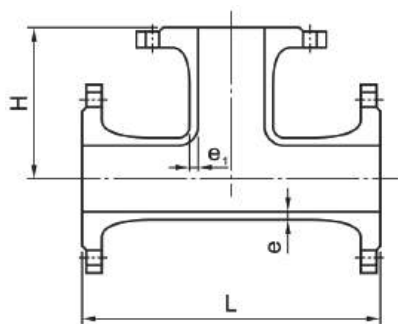
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	380	330	14.5
100	7.2	400	340	18.0
150	7.8	450	385	30.5
200	8.4	500	430	46.0
250	9.0	550	475	66.0
300	9.6	600	515	90.5
350	10.2	650	560	122
400	10.8	700	605	158
450	11.4	750	650	200
500	12.0	800	690	254

90° Double Flanged Medium Radius Bend



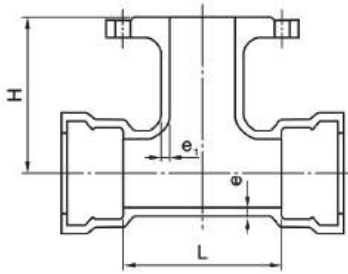
Nominal Ø DN	e mm	L mm	r mm	Mass kg
100	7.2	300	280	15.0

All Flanged Tee



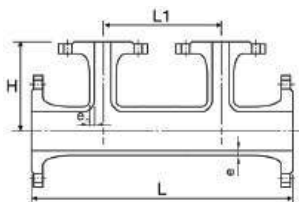
Nominal Ø		e mm	e1 mm	L mm	H mm	Mass kg
DN Body	dn Branch					
80	50	8.1	7.7	330	160	13.6
80	80	8.1	8.1	330	165	15.6
100	50	8.4	8.1	360	170	17.6
100	80	8.4	8.1	360	175	18.4
100	100	8.4	8.4	360	180	19.3
150	50	9.1	7.7	440	200	26.5
150	80	9.1	8.1	440	205	28.5
150	100	9.1	8.4	440	210	29.5
150	150	9.1	9.1	440	220	32.5
200	80	9.8	8.1	520	235	41.4
200	100	9.8	8.4	520	240	42.5
200	150	9.8	9.1	520	250	45.5
200	200	9.8	9.8	520	260	49.0
250	80	10.5	8.1	700	265	65.0
250	100	10.5	8.4	700	275	67.0
250	150	10.5	9.1	700	300	70.0
250	200	10.5	9.8	700	325	75.0
250	250	10.5	10.5	700	350	81.0
300	80	11.2	8.1	800	290	91.0
300	100	11.2	8.4	800	300	93.0
300	150	11.2	9.1	800	325	95.5
300	200	11.2	9.8	800	350	101
300	250	11.2	10.5	800	375	106
300	300	11.2	11.2	800	400	115
350	80	11.9	8.1	850	325	120
350	100	11.9	8.4	850	325	139
350	150	11.9	9.1	850	325	142
350	200	11.9	9.8	850	325	146
350	250	11.9	10.5	850	325	154
350	300	11.9	11.2	850	425	160
350	350	11.9	11.9	850	425	176
400	80	12.6	8.1	900	350	152
400	100	12.6	8.4	900	350	154
400	150	12.6	9.1	900	350	156
400	200	12.6	9.8	900	350	159
400	250	12.6	10.5	900	350	161
400	300	12.6	11.2	900	450	184
400	350	12.6	11.9	900	450	183
400	400	12.6	12.6	900	450	191
450	150	13.3	9.1	950	375	190
450	300	13.3	11.2	950	475	213
450	450	13.3	13.3	950	475	237
500	150	14.0	9.1	1000	400	241
500	300	14.0	11.2	1000	500	258
500	500	14.0	14.0	1000	500	304
600	150	15.4	9.1	1100	450	352
600	300	15.4	11.2	1100	550	369
600	450	15.4	13.3	1100	550	404
600	600	15.4	15.4	1100	550	447
700	400	16.8	12.6	870	555	379
700	700	16.8	16.8	1200	600	548

Double Socket Centre Flanged Tee



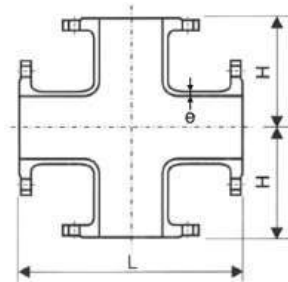
Nominal Ø		e mm	e1 mm	L mm	H mm	Mass kg
DN Body	dn Branch					
80	80	8.1	8.1	185	185	12.6
100	80	8.4	8.1	185	195	14.3
100	100	8.4	8.4	210	200	15.9
150	80	9.1	8.1	190	220	19.7
150	100	9.1	8.4	210	230	21.5
150	150	9.1	9.1	270	245	26.5
200	80	9.8	8.1	190	250	27.0
200	100	9.8	8.4	215	255	29.0
200	150	9.8	9.1	270	270	35.0
200	200	9.8	9.8	330	275	41.5
250	80	10.5	8.1	220	275	37.0
250	100	10.5	8.4	220	285	38.0
250	150	10.5	9.1	335	300	48.5
250	200	10.5	9.8	335	305	52.0
250	250	10.5	10.5	390	320	61.0
300	80	11.2	8.1	220	305	49.5
300	100	11.2	8.4	220	310	51.0
300	150	11.2	9.1	335	325	63.0
300	200	11.2	9.8	335	330	66.5
300	250	11.2	10.5	450	345	80.5
300	300	11.2	11.2	450	360	87.5
350	80	11.9	8.1	225	330	58.5
350	100	11.9	8.4	225	340	59.5
350	150	11.9	9.1	340	355	74.0
350	200	11.9	9.8	340	360	77.5
350	250	11.9	10.5	515	375	102
350	300	11.9	11.2	515	390	108
350	350	11.9	11.9	515	405	117
400	80	12.6	8.1	225	360	74.0
400	100	12.6	8.4	225	365	75.0
400	150	12.6	9.1	340	380	91.5
400	200	12.6	9.8	340	385	95.5
400	250	12.6	10.5	575	400	128
400	300	12.6	11.2	575	415	138
400	350	12.6	11.9	575	430	146
400	400	12.6	12.6	575	445	156

All Flanged Tee with Double Branch



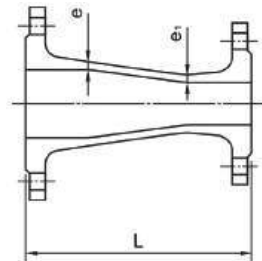
Nominal Ø		e mm	e1 mm	L mm	H mm	Mass kg	Mass kg
DN Body	dn Branch						
100	50	8.4	7.7	470	170	200	22.0

All Flanged Cross Tee



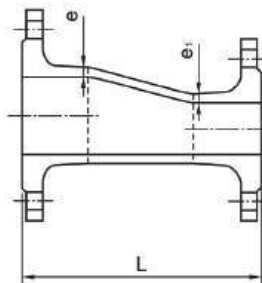
Nominal Ø DN	e mm	L mm	H mm	Mass kg
80	8.1	330	165	20.5
100	8.4	360	180	24.5
150	9.1	440	220	41.0
200	9.8	520	260	61.0
250	10.5	700	350	99.5
300	11.2	800	400	142
350	11.9	850	425	198
400	12.6	900	450	247
450	13.3	950	475	300
500	14.0	1000	500	386
600	15.4	1100	550	556

Double Flanged Concentric Reducer

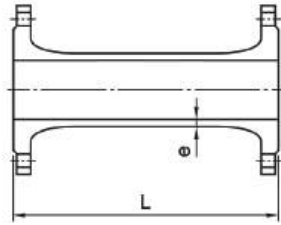


Nominal Ø		e mm	e1 mm	L mm	Mass kg
DN Large	dn Small				
80	50	7.0	7.0	200	7.3
80	65	7.0	7.0	200	7.9
100	50	7.2	7.0	200	9.4
100	80	7.2	7.0	200	9.3
150	80	7.8	7.0	400	16.1
150	100	7.8	7.2	300	15.0
200	80	8.4	7.0	600	25.5
200	100	8.4	7.2	600	27.0
200	150	8.4	7.8	300	21.5
250	150	9.0	7.8	600	38.0
250	200	9.0	8.4	300	29.5
300	100	9.6	7.2	600	41.5
300	150	9.6	7.8	600	46.0
300	200	9.6	8.4	600	51.0
300	250	9.6	9.0	300	39.5
350	200	10.2	8.4	600	60.5
350	250	10.2	9.0	600	67.0
350	300	10.2	9.6	300	52.0
400	200	10.8	8.4	600	71.0
400	250	10.8	9.0	600	77.0
400	300	10.8	9.6	600	84.0
400	350	10.8	10.2	300	67.0
450	250	11.4	9.0	600	87.5
450	300	11.4	9.6	600	95.0
450	350	11.4	10.2	600	104
450	400	11.4	10.8	300	81.0

Double Flanged Eccentric Reducer

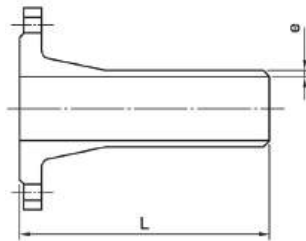
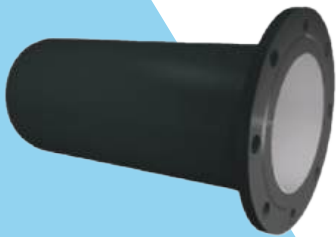


Double Flanged Lengthening Piece



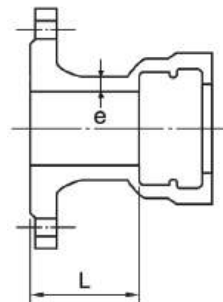
Nominal Ø DN	e mm	L mm	Mass kg
100	7.2	100	8.3
100	7.2	150	9.2
100	7.2	200	10.1
100	7.2	300	11.9
100	7.2	500	15.4
100	7.2	700	19.1
150	7.8	100	12.7
150	7.8	150	14.0
150	7.8	200	15.3
150	7.8	300	18.1
150	7.8	500	24.1
150	7.8	700	29.4
200	8.4	300	25.0
200	8.4	500	31.0
200	8.4	700	40.9
300	9.6	300	44.8
300	9.6	500	58.6

Flanged Spigot



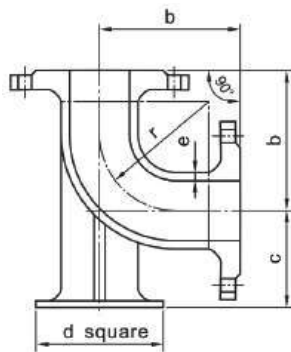
Nominal Ø DN	e mm	L mm	Mass kg
80	7.0	350	7.9
100	7.2	360	9.7
150	7.8	380	15.6
200	8.4	400	22.5
250	9.0	420	31.5
300	9.6	440	42.0
350	10.2	460	55.5
400	10.8	480	70.0
450	11.4	500	86.0
500	12.0	520	109
600	13.2	560	159
700	14.4	600	206
800	15.6	600	254
900	16.8	600	320
1000	18.0	600	395
1100	19.2	600	473
1200	20.4	600	567

Flange Socket



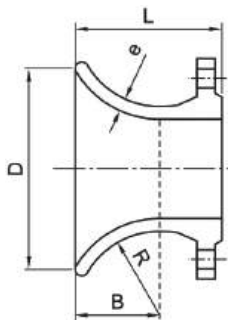
Nominal Ø DN	e mm	L mm	Mass kg
80	7.0	130	7.3
100	7.2	130	8.7
150	7.8	135	13.6
200	8.4	140	19.7
250	9.0	145	27.5
300	9.6	150	38.0
350	10.2	155	48.5
400	10.8	160	62.5
450	11.4	165	75.5
500	12.0	170	97.0
600	13.2	180	140
700	14.4	190	202
800	15.6	200	253
900	16.8	210	327
1000	18.0	220	415
1100	19.2	230	520
1200	20.4	240	635

Double Flanged Duckfoot Bend



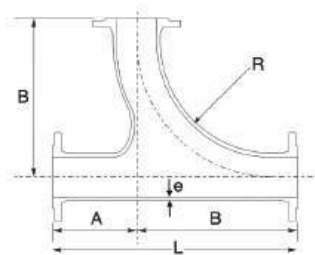
Nominal Ø DN	e mm	b mm	c mm	d mm	r mm	Mass kg
80	7.0	165	110	180	115	14.0
100	7.2	180	125	200	120	17.7
150	7.8	220	160	250	155	30.5
200	8.4	260	190	300	190	47.0
250	9.0	350	225	350	275	76.0
300	9.6	400	255	400	315	108
350	10.2	450	290	450	360	147
400	10.8	500	320	500	405	196
450	11.4	550	355	550	450	246
500	12.0	600	385	600	490	322
600	13.2	700	450	700	580	493
700	14.4	800	515	800	685	586
800	15.6	900	580	900	785	798
900	16.8	1000	645	1000	875	1050
1000	18.0	1100	710	1100	965	1380
1100	19.2	1200	775	1200	1055	1656
1200	20.4	1300	840	1300	1145	2063

Flanged Bellmouth



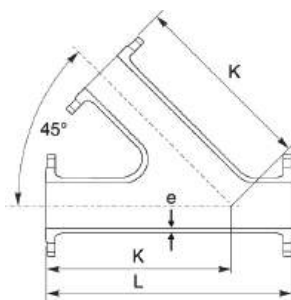
Nominal Ø DN	e mm	L mm	D mm	B mm	R mm	Mass kg
80	7.0	135	160	80	100	5.2
100	7.2	140	185	85	106	6.3
150	7.8	155	245	95	119	10.1
200	8.4	170	310	110	137	14.7
250	9.0	190	370	120	150	21.0
300	9.6	210	435	135	169	29.0
350	10.2	225	495	145	181	39.0
400	10.8	245	560	160	200	51.0
450	11.4	260	620	170	212	63.0
500	12.0	280	685	185	231	82.5
600	13.2	300	810	210	262	122
700	14.4	340	945	225	281	154
800	15.6	380	1055	240	300	203
900	16.8	420	1165	255	319	263
1000	18.0	440	1290	270	337	339
1100	19.2	465	1400	285	357	409
1200	20.4	490	1515	300	376	515

All Flanged Radial Tee



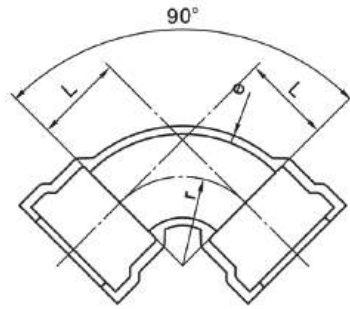
Nominal Ø DN	e mm	L mm	A mm	B mm	R mm	Mass kg
80	8.1	545	165	380	330	23.0
100	8.4	580	180	400	340	29.5
150	9.1	670	220	450	385	48.5
200	9.8	760	260	500	430	72.5
250	10.5	900	350	550	475	106
300	11.2	1000	400	600	515	146
350	11.9	1100	450	650	560	204
400	12.6	1200	500	700	605	264
450	13.3	1300	550	750	650	332
500	14.0	1400	600	800	690	423
600	15.4	1600	700	900	780	633

All Flanged 45° Angle Branch



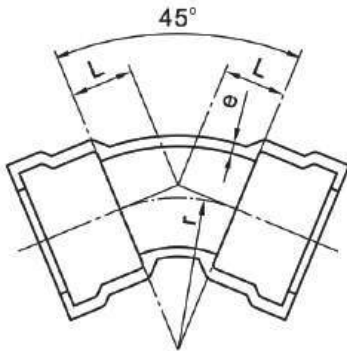
Nominal Ø DN	e mm	L mm	K mm	Mass kg
80	8.1	500	375	21.0
100	8.4	540	405	27.0
150	9.1	640	480	47.0
200	9.8	735	560	71.0
250	10.5	830	640	105
300	11.2	930	715	147
350	11.9	880	790	168
400	12.6	970	870	205
450	13.3	1060	950	277
500	14.0	1140	1025	353
600	15.4	1310	1180	541

90° Double Socket Bend



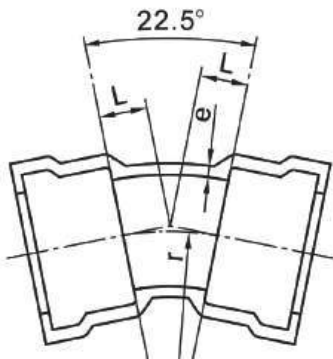
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	100	80	7.1
100	7.2	120	95	9.2
150	7.8	170	145	16.8
200	8.4	220	195	28.0
250	9.0	270	245	42.5
300	9.6	320	290	63.5
350	10.2	370	340	83.0
400	10.8	420	390	113
450	11.4	470	435	143
500	12.0	520	485	183
600	13.2	620	580	273
700	14.4	720	675	455
800	15.6	820	775	605
900	16.8	920	870	813
1000	18.0	1020	970	1045
1100	19.2	1120	1065	1358
1200	20.4	1220	1165	1663

45° Double Socket Bend



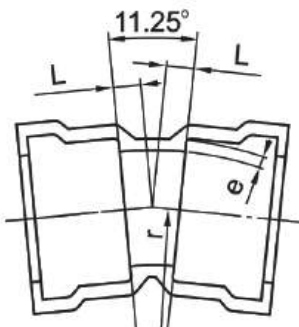
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	55	80	6.3
100	7.2	65	100	7.9
150	7.8	85	145	13.5
200	8.4	110	200	22.0
250	9.0	130	245	32.5
300	9.6	150	305	49.0
350	10.2	175	350	61.0
400	10.8	195	405	82.5
450	11.4	220	450	103
500	12.0	240	495	130
600	13.2	285	595	191
700	14.4	330	685	336
800	15.6	370	785	434
900	16.8	415	885	583
1000	18.0	460	985	741
1100	19.2	505	1095	973
1200	20.4	550	1195	1171

22.5° Double Socket Bend



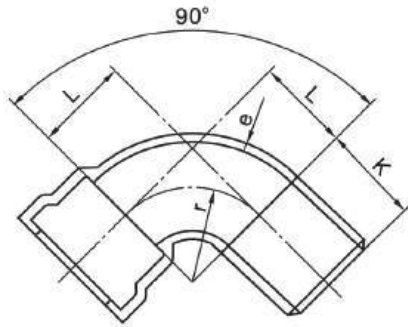
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	40	90	5.9
100	7.2	40	110	7.3
150	7.8	55	155	12.0
200	8.4	65	195	18.8
250	9.0	75	240	27.0
300	9.6	85	305	41.0
350	10.2	95	350	50.0
400	10.8	110	390	66.0
450	11.4	120	435	81.5
500	12.0	130	505	103
600	13.2	150	590	147
700	14.4	175	650	271
800	15.6	195	750	343
900	16.8	220	850	461
1000	18.0	240	950	577
1100	19.2	260	1050	764
1200	20.4	285	1150	904

11.25° Double Socket Bend



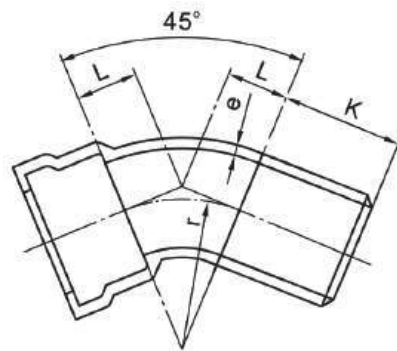
Nominal Ø DN	e mm	L mm	r mm	Mass kg
80	7.0	30	75	5.6
100	7.2	30	120	6.9
150	7.8	35	155	11.2
200	8.4	40	195	17.2
250	9.0	50	230	24.5
300	9.6	55	315	37.0
350	10.2	60	350	44.0
400	10.8	65	385	58.0
450	11.4	70	420	71.5
500	12.0	75	510	90.0
600	13.2	85	580	126
700	14.4	95	500	235
800	15.6	110	600	295
900	16.8	120	700	393
1000	18.0	130	800	489
1100	19.2	140	900	642
1200	20.4	150	1000	757

90° Single Socket Bend



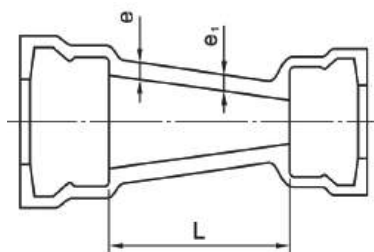
Nominal Ø DN	e mm	L mm	r mm	K mm	Mass kg
100	7.2	120	95	120	8.2
150	7.8	170	145	150	16.8
200	8.4	220	195	200	27

45° Single Socket Bend



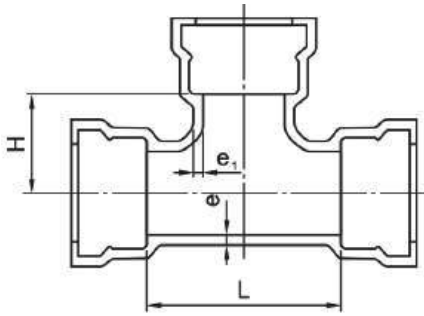
Nominal Ø DN	e mm	L mm	r mm	K mm	Mass kg
100	7.2	65	100	120	8
150	7.8	85	145	150	13
200	8.4	110	200	200	21.3

Double Socket Concentric Reducer



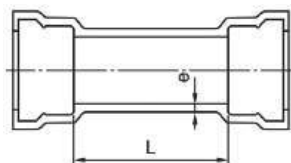
Nominal Ø		e mm	e1 mm	L mm	Mass kg
DN Large	dn Small				
100	80	7.2	7.0	90	6.6
150	80	7.8	7.0	190	10.9
150	100	7.8	7.2	150	10.8
200	100	8.4	7.2	250	17.0
200	150	8.4	7.8	150	16.4
250	150	9.0	7.8	250	24.5
250	200	9.0	8.4	150	23.5
300	150	9.6	7.8	350	35.5
300	200	9.6	8.4	250	34.5
300	250	9.6	9.0	150	33.0
350	200	10.2	8.4	360	45.5
350	250	10.2	9.0	260	44.0
350	300	10.2	9.6	160	43.0
400	200	10.8	8.4	460	61.5
400	250	10.8	9.0	360	59.5
400	300	10.8	9.6	260	58.0
400	350	10.8	10.2	160	53.0
450	250	11.4	9.0	460	76.0
450	300	11.4	9.6	360	75.0
450	350	11.4	10.2	260	69.5
450	400	11.4	11.8	160	66.0
500	250	12.0	9.0	560	96.5
500	300	12.0	9.6	460	96.5
500	350	12.0	10.2	360	90.5
500	400	12.0	10.8	260	86.5
500	450	12.0	11.4	160	80.5

All Socket Tee



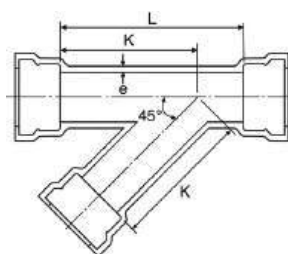
Nominal Ø		e mm	e1 mm	L mm	H mm	Mass kg
DN Body	dn Branch					
80	80	8.1	8.1	185	110	10.9
100	80	8.4	8.1	185	125	12.6
100	100	8.4	8.4	210	125	13.8
150	80	9.1	8.1	190	150	18.1
150	100	9.1	8.4	210	150	19.5
150	150	9.1	9.1	270	150	23.0
200	80	9.8	8.1	190	180	25.5
200	100	9.8	8.4	215	180	27.0
200	150	9.8	9.1	270	180	31.5
200	200	9.8	9.8	330	180	37.5
250	80	10.5	8.1	220	205	35.5
250	100	10.5	8.4	220	205	36.0
250	150	10.5	9.1	335	210	45.0
250	200	10.5	9.8	335	210	48.0
250	250	10.5	10.5	390	210	55.0
300	80	11.2	8.1	220	235	48.0
300	100	11.2	8.4	220	235	48.0
300	150	11.2	9.1	335	235	60.0
300	200	11.2	9.8	335	235	62.0
300	250	11.2	10.5	450	240	74.5
300	300	11.2	11.2	450	240	79.5
350	80	11.9	8.1	225	260	57.0
350	100	11.9	8.4	225	260	57.0
350	150	11.9	9.1	340	265	70.5
350	200	11.9	9.8	340	265	73.5
350	250	11.9	10.5	515	265	95.5
350	300	11.9	11.2	515	270	101
350	350	11.9	11.9	515	270	102
400	80	12.6	8.1	225	290	72.5
400	100	12.6	8.4	225	290	73.0
400	150	12.6	9.1	340	290	88.5
400	200	12.6	9.8	340	290	91.0
400	250	12.6	10.5	575	295	121
400	300	12.6	11.2	575	295	130
400	350	12.6	11.9	575	300	131
400	400	12.6	12.6	575	300	137
450	150	13.3	9.1	345	320	105
450	300	13.3	11.2	635	325	161
450	450	13.3	13.3	635	330	171
500	150	14.0	9.1	350	345	127
500	300	14.0	11.2	580	350	171
500	500	14.0	14.0	695	360	219
600	150	15.4	9.1	355	400	169
600	300	15.4	11.2	585	405	224
600	450	15.4	13.3	820	400	302
600	600	15.4	15.4	820	420	322
700	200	16.8	9.8	360	415	289
700	300	16.8	11.2	475	425	326
700	500	16.8	14.0	695	435	416
700	700	16.8	16.8	900	450	536

Double Socket Collar



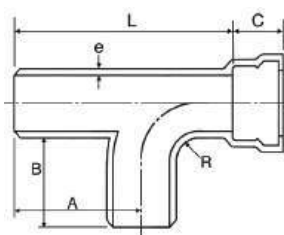
Nominal Ø DN	e mm	L mm	Mass kg
80	7.0	160	12.2
100	7.2	160	12.9
150	7.8	165	19.7
200	8.4	170	27.5
250	9.0	175	36.0
300	9.6	180	48.0
350	10.2	185	62.0
400	10.8	190	76.5
450	11.4	195	91.0
500	12.0	200	96.0
600	13.2	210	130
700	14.4	220	176
800	15.6	230	199
900	16.8	240	287
1000	18.0	250	331
1100	19.2	260	383
1200	20.4	270	484

All Socket 45° Angle Branch



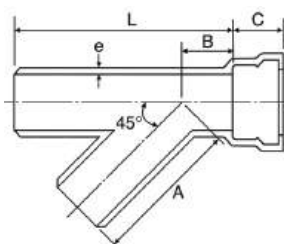
Nominal Ø DN	e mm	L mm	K mm	Mass kg
80	8.1	500	375	19.0
100	8.4	540	405	25.5
150	9.1	640	480	45.5
200	9.8	735	560	71.5
250	10.5	830	640	106
300	11.2	930	715	151
350	11.9	880	790	169
400	12.6	970	870	209
450	13.3	1060	950	281
500	14.0	1140	1025	347
600	15.4	1310	1180	511

Backdrop



Nominal Ø DN	e mm	L mm	A mm	B mm	C mm	R mm	Mass kg
150	9.1	420	220	235	100	100	31.0
200	9.8	660	420	320	100	100	41.0
250	10.5	530	310	265	130	100	61.0

Tumbling Bay



Nominal Ø DN	e mm	L mm	A mm	B mm	C mm	Mass kg
150	9.1	550	400	110	90	29.0
200	9.8	640	550	140	100	39.0

Our Custom Services



Welding



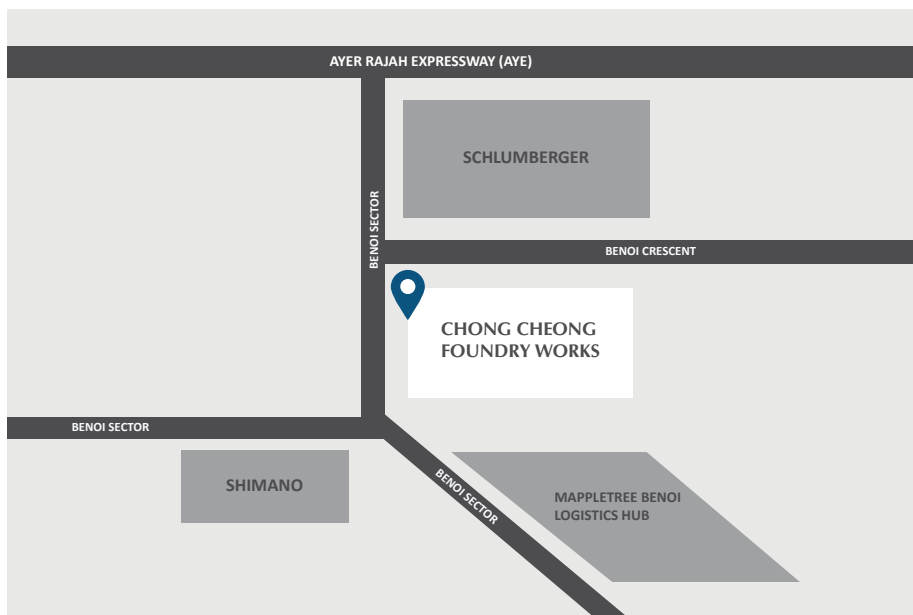
Sawing Machine



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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Operating Hour:

Mon - Fri: 8AM - 6.15PM
Sat: 8AM - 5PM
Sun & PH: Closed

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