

DIMAX DUCTILE IRON FITTINGS

DN80-300 ASNZS2280



FEATURES

- Ductile iron body for high strength and impact resistance
- Fusion bonded polymeric coating for long life corrosion protection
- TYTON socket profile allows use of TYTON gaskets for ductile iron OD compatible pipes, PLASTYT gaskets for Series 1 PVC pipe, or TYTON-LOK gaskets for restrained joints
- Flange joints are self anchoring and do not require external anchorages
- DN100-300 TYTON joints permits axial movements of up to 5° maximum deflection to compensate for thermal expansion and contraction
- Single cast manufacturing method for optimal strength
- Alternative flange dimensions available on request



APPLICATION

DIMAX ductile iron fittings are available in a range of configurations and sizes for pipeline construction above and below ground.

DIMAX flanged fittings provide restrained, non-flexible joints in above ground applications such as water treatment plants and pump stations.

DIMAX socketed fittings offer a secure push joint and allow a small amount of deflection for axial movement with TYTON sockets. Commonly used in below ground applications such as water trunk main branches.

TECHNICAL DATA

Size Range

DN80-DN300

Allowable Operating Pressure

1600kPa

3500kPa (TYTON sockets only)

Maximum Temperature

70°C

CERTIFICATIONS

AS/NZS 2280 – Ductile iron pipe and fittings

AS/NZS 4020 – Testing for use in contact with drinking water

Fusion bonded polymeric coating to AS/NZS 4158

Flange connections drilled to AS/NZS 4087

WSAA PA 1924

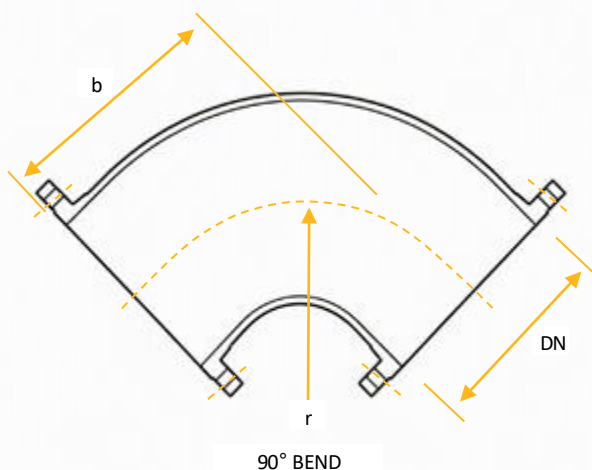


DIMAX DUCTILE IRON FITTINGS

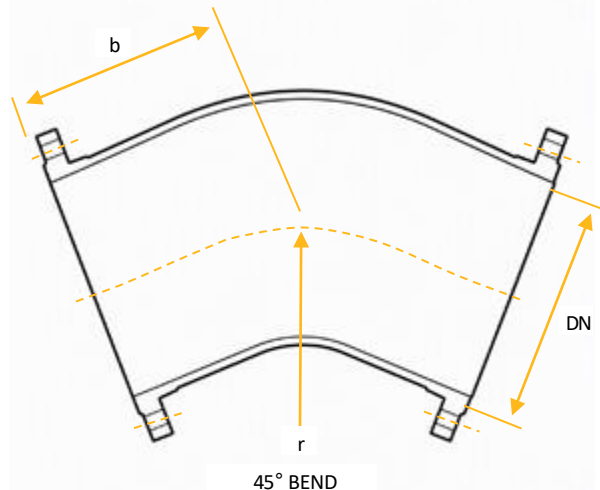
FLANGED BENDS



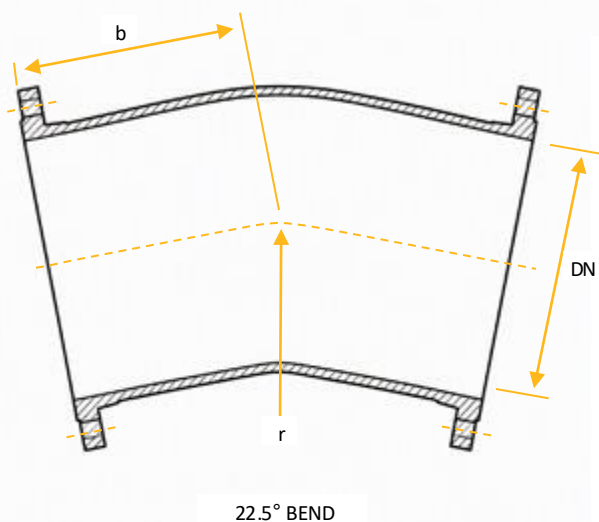
LINE DRAWING 1



LINE DRAWING 2



LINE DRAWING 3



LINE DRAWING 4

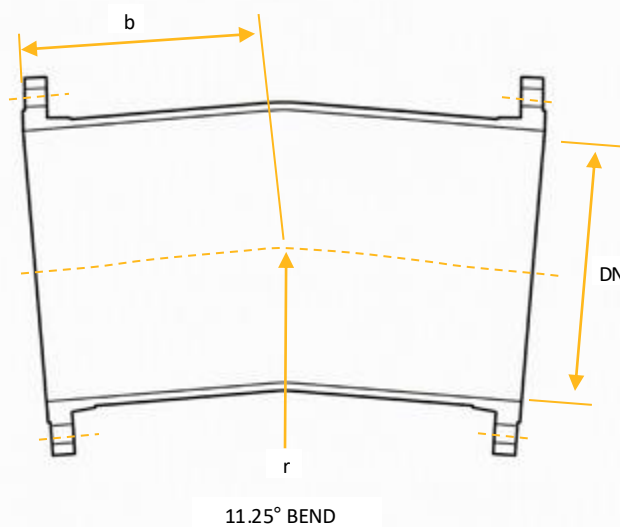


TABLE 1

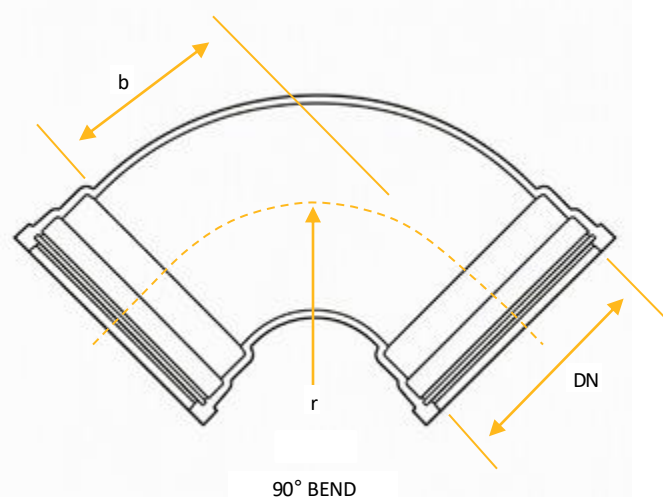
DN	r	b			
		90°	45°	22.5°	11.25°
80	140	229	-	-	-
100	152	241	152	152	152
150	190	279	190	190	190
200	203	305	203	-	-
250	254	365	254	-	-
300	305	406	305	-	-

DIMAX DUCTILE IRON FITTINGS

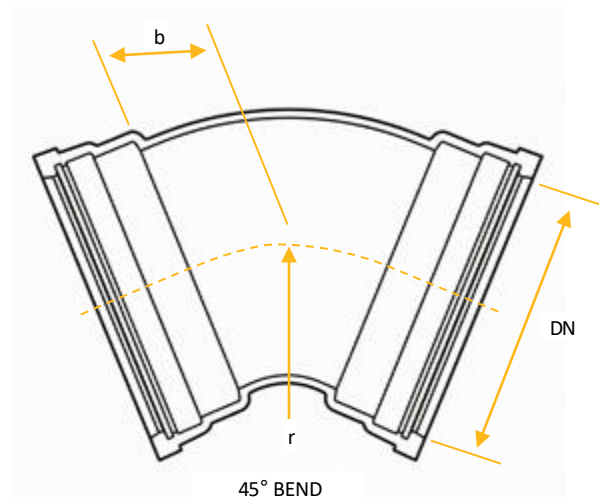
SOCKETED BENDS



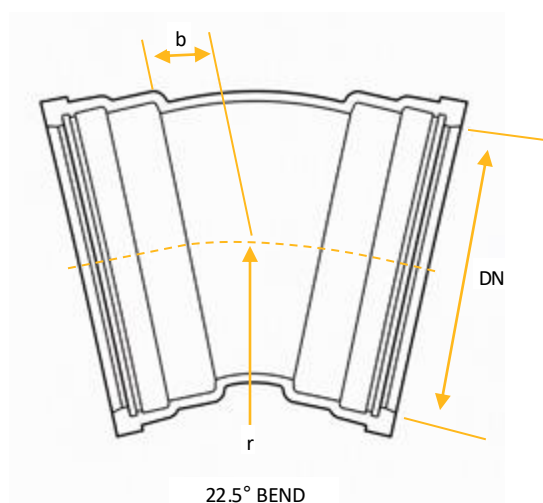
LINE DRAWING 1



LINE DRAWING 2



LINE DRAWING 3



LINE DRAWING 4

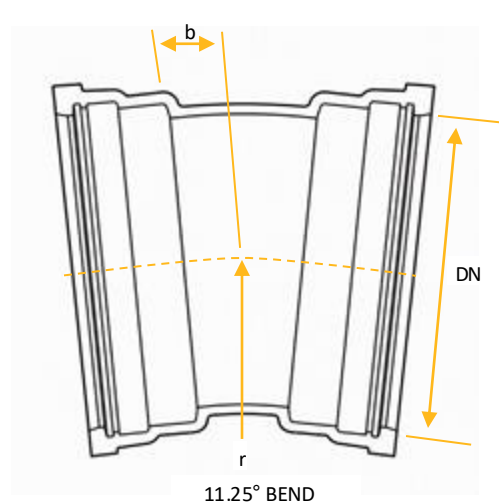


TABLE 1

DN	r	b			
		90°	45°	22.5°	11.25°
100	75	90	45	25	20
150	120	130	60	35	25

DIMAX DUCTILE IRON FITTINGS

WASHOUT BEND



LINE DRAWING 1

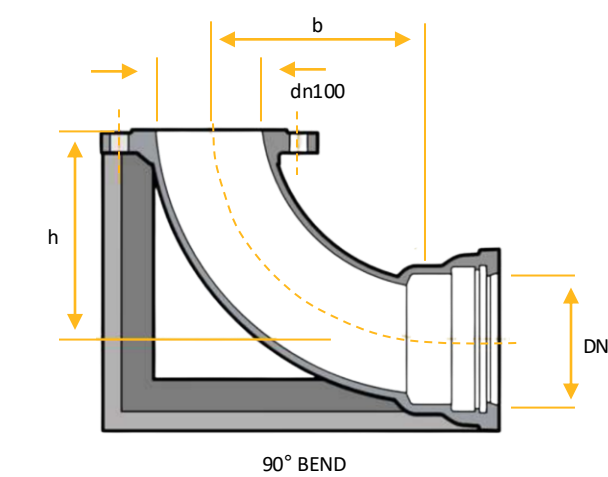


TABLE 1

DN	dn	b	h
100	100	195	200
150	100	160	200
150	150	205	279

DIMAX DUCTILE IRON FITTINGS

HYDRANT BEND



LINE DRAWING 1

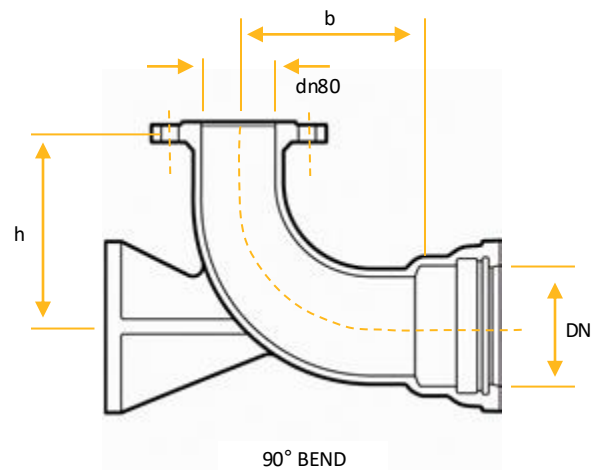


TABLE 1

DN	dn	b	h
100	80	205	215
150	80	280	245

DIMAX DUCTILE IRON FITTINGS

DUCKFOOT BEND



LINE DRAWING 1

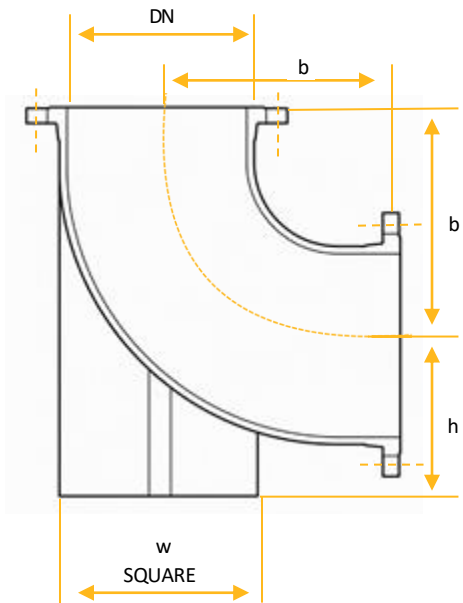


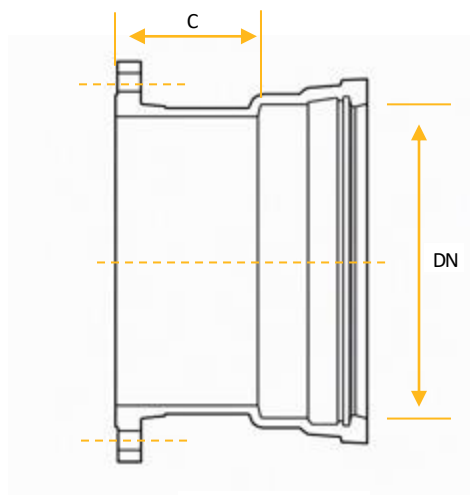
TABLE 1

DN	dn	b	h	w
100	100	241	133	185
150	150	279	165	190

DIMAX DUCTILE IRON FITTINGS CONNECTORS

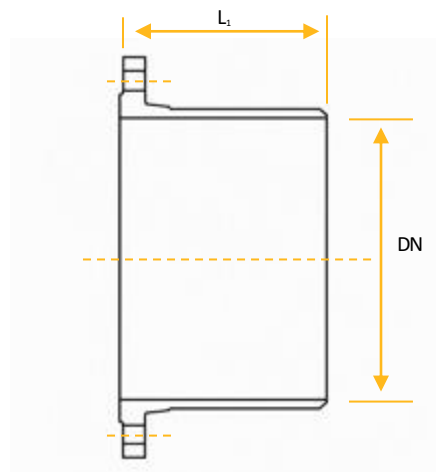


LINE DRAWING 1



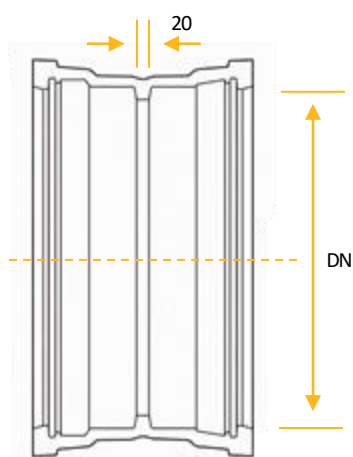
FLANGE - SOCKET

LINE DRAWING 2



FLANGE - SPIGOT

LINE DRAWING 3



SOCKET - SOCKET

TABLE 1

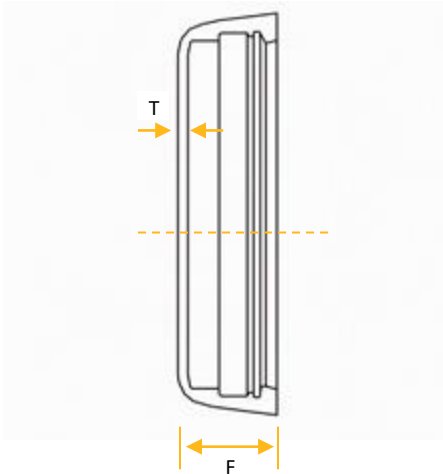
DN	c	L ₁
100	110	205
150	135	205
200	135	230
225		230
250		230
300		255

DIMAX DUCTILE IRON FITTINGS

ENDS



LINE DRAWING 1

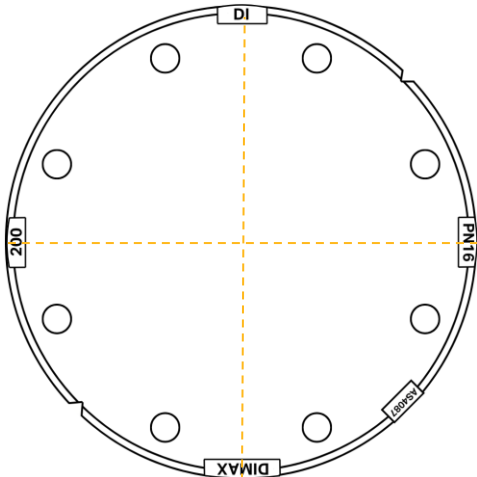


TYTON® SOCKET END CAP

TABLE 1

DN	f	t
100	129	19
150	139	19

LINE DRAWING 2



BLANK FLANGE

TABLE 2

DN	THICKNESS
80*#	18
100*#	20
150*#	23
200	23
225	24
250	24
300	30

*50mm BSPF tapping available. Alternative flange sizes and tapping available by request
#Non-circular design

DIMAX DUCTILE IRON FITTINGS

HYDRANT RISERS



LINE DRAWING 1

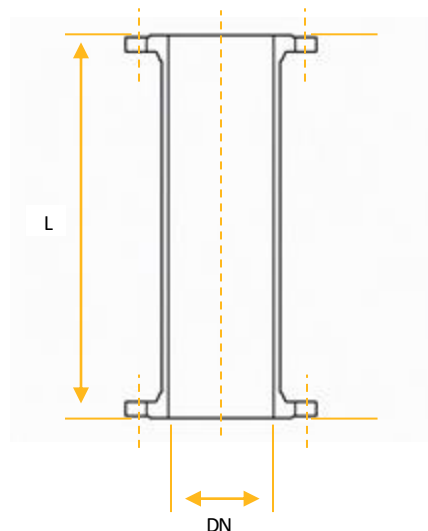


TABLE 1

DN	THICKNESS
80	100
80	150
80	225
80	300
80	375
80	450
80	600

TABLE 2

DN	THICKNESS
100*	100
100	150
100	225
100	300
100	375
100	450
100	500
100	600

TABLE 3

DN	THICKNESS
150	150
150	225
150	300
150	450
150	600

TABLE 4

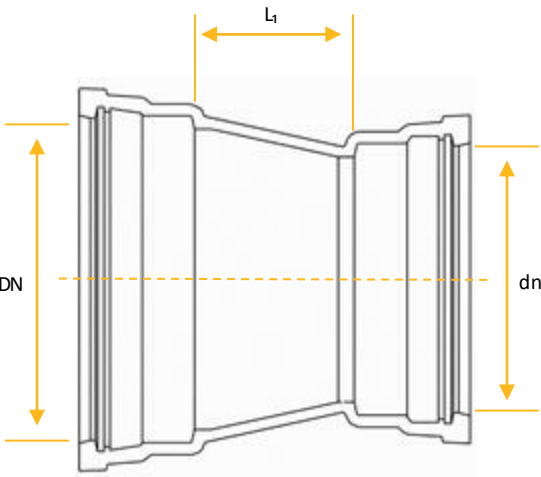
DN	THICKNESS
80/100 ADAPTOR	100
100 x DGL	150

DIMAX DUCTILE IRON FITTINGS

REDUCERS / TAPERS



LINE DRAWING 1

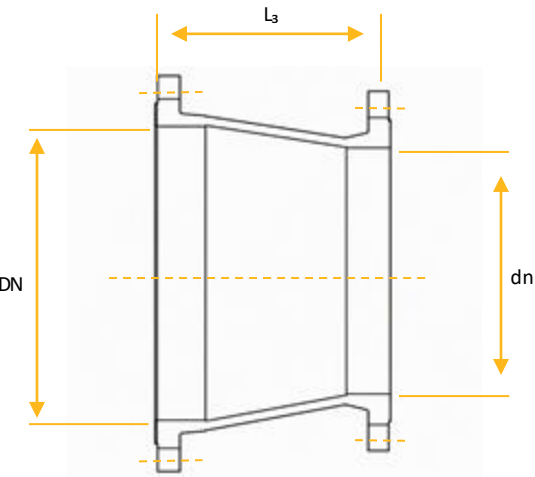


TYTON® SOCKET

TABLE 1

DN	dn	L ₁
150	100	170

LINE DRAWING 2



FLANGED-CONCENTRIC

TABLE 2

DN	dn	L ₃
100	80	165
150	100	235
200	150	248
250	150	375
250	200	254

DIMAX DUCTILE IRON FITTINGS

FLANGED TEE



LINE DRAWING 1

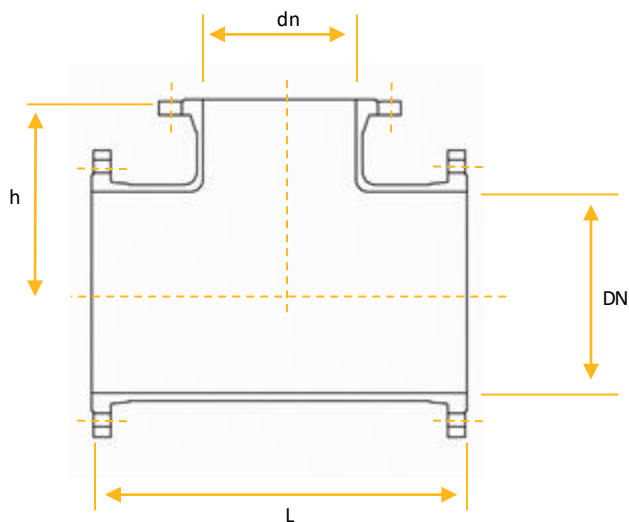


TABLE 1

DN	dn	h	L
100	80	178	356
100	100	178	356
150	80	203	406
150	100	203	406
150	150	203	406
200	80	241	484
200	100	241	484
200	150	241	484
200	200	241	484
250	250	267	534
300	300	305	610

DIMAX DUCTILE IRON FITTINGS

TYTON SOCKET TEE



LINE DRAWING 1

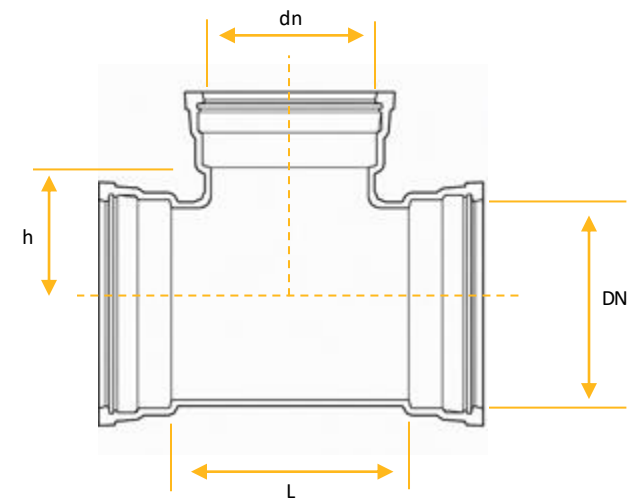


TABLE 1

DN	dn	h	L
100	100	68	136
150	100	90	145
150	150	97.5	195

DIMAX DUCTILE IRON FITTINGS

TYTON SOCKET X FLANGE TEE



LINE DRAWING 1

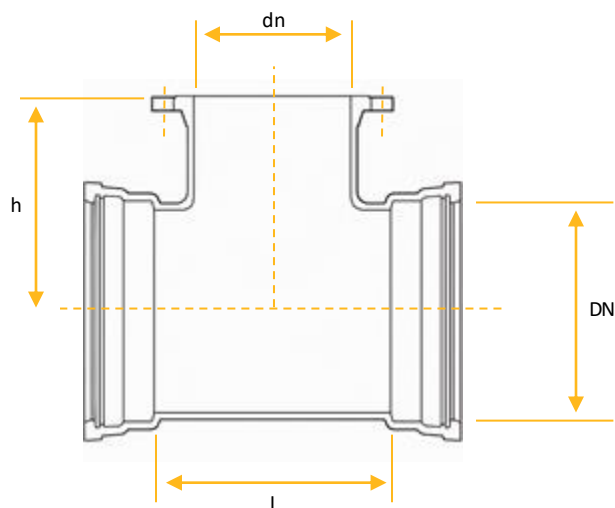


TABLE 1

DN	dn	h	L
100	80	180	150
100	100	180	170
150	80	185	150
150	100	190	170
150	150	195	240
200	80	250	210

DIMAX DUCTILE IRON FITTINGS

SPIGOT X FLANGE TEE



LINE DRAWING 1

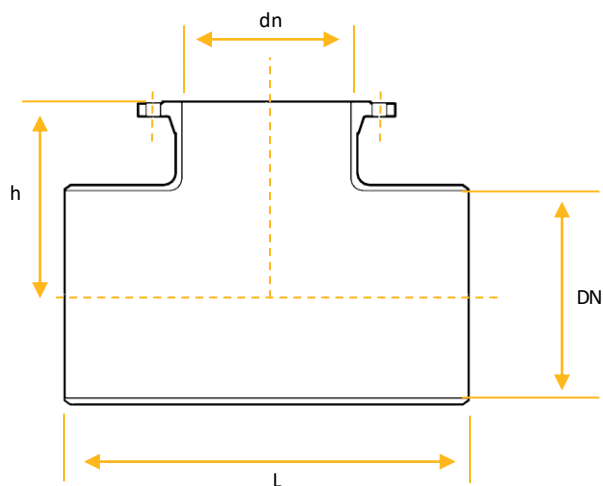


TABLE 1

DN	dn	h	L
100	80	178	432
100	100	178	432
150	100	203	432
150	150	203	432

DIMAX DUCTILE IRON FITTINGS

TYTON SOCKET X SPIGOT X FLANGE TEE



LINE DRAWING 1

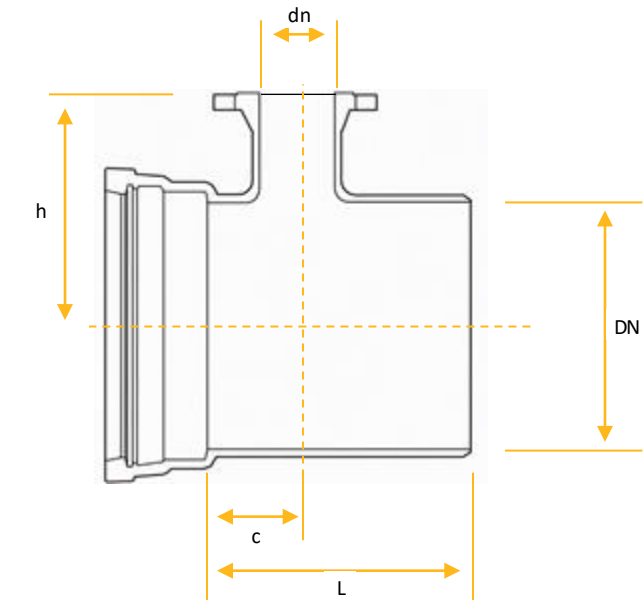


TABLE 1

DN	dn	c	h	L
100	80	105	195	310

DIMAX DUCTILE IRON FITTINGS

DN80-300 CLASS 16



TABLE 1

DN	FLANGE DIMENSIONS					BOLTING DETAILS (TO AS/NZS 4087)			NECK DIMENSIONS		
	DIAMETER D	THICKNESS T	RAISED FACE DIAMETER F	RAISED FACE HEIGHT t	PITCH CIRCLE DIAMETER P	NO OF HOLES N	DIAMETER OF HOLES V	FASTENER SIZE AND THREAD	LARGE END DIAMETER C	SMALL END DIAMETER H	MIN LENGTH OF TAPER G
80	185	18	122	3	146	4	18	M16	106	100	8
100	215	20	154	3	178	4	18	M16	136	126	11
150	280	23	211	3	235	8	18	M16	188	181	11
200	335	23	268	3	292	8	18	M16	243	236	12
225	370	24	300	3	324	8	18	M16	275	263	19
250	405	24	328	3	356	8	22	M20	307	290	26
300	455	30	378	4	406	12	22	M20	354	349	28
375	550	33	463	4	495	12	26	M24	439	430	30
450	640	33	552	4	584	12	26	M24	528	511	33
500	705	35	509	4	641	16	26	M24	581	564	34
600	825	42	720	5	756	16	30	M27	689	671	38
750	995	47	888	5	927	20	33	M30	855	830	53

LINE DRAWING 1

