



MAIN SIZE	MINIMUM LONGITUDINAL REINFORCEMENT
DN100	8N12
DN150	8N12
DN200	12N12
DN250	12N12
DN300	12N12

DN	OD	DESIGN PRESSURE HEAD	TEST PRESSURE HEAD	THRUST T	SOIL TYPE (REFER TO NOTE 8)	REQUIRED BEARING AREA	MINIMUM TRENCH WIDTH	L	H
(mm)	(mm)	(m)	(m)	(kN)		(m ²)	(mm)	(mm)	(mm)
100	122	120	150	3.4	S1	0.067	320	600	450
150	177	120	150	7.1	S1	0.142	380	600	500
200	232	120	150	12.2	S1	0.244	530	600	550
250	286	120	150	18.5	S1	0.370	590	600	600
300	345	120	150	26.9	S1	0.539	650	600	650

DN	OD	DESIGN PRESSURE HEAD	TEST PRESSURE HEAD	THRUST T	SOIL TYPE (REFER TO NOTE 8)	REQUIRED BEARING AREA	MINIMUM TRENCH WIDTH	L	H
(mm)	(mm)	(m)	(m)	(kN)		(m ²)	(mm)	(mm)	(mm)
100	122	120	150	6.7	S1	0.134	320	600	450
150	177	120	150	14.1	S1	0.282	380	600	500
200	232	120	150	24.3	S1	0.485	530	600	550
250	286	120	150	36.9	S1	0.737	590	600	600
300	345	120	150	53.6	S1	1.073	650	850	650

DN	OD	DESIGN PRESSURE HEAD	TEST PRESSURE HEAD	THRUST T	SOIL TYPE (REFER TO NOTE 8)	REQUIRED BEARING AREA	MINIMUM TRENCH WIDTH	L	H
(mm)	(mm)	(m)	(m)	(kN)		(m ²)	(mm)	(mm)	(mm)
100	122	120	150	13.2	S1	0.263	320	600	450
150	177	120	150	27.7	S1	0.554	380	600	500
200	232	120	150	47.6	S1	0.952	530	850	550
250	286	120	150	72.3	S1	1.446	590	1200	600
300	345	120	150	105.2	S1	2.104	650	1600	650

DN	OD	DESIGN PRESSURE HEAD	TEST PRESSURE HEAD	THRUST T	SOIL TYPE (REFER TO NOTE 8)	REQUIRED BEARING AREA	MINIMUM TRENCH WIDTH	L	H
(mm)	(mm)	(m)	(m)	(kN)		(m ²)	(mm)	(mm)	(mm)
100	122	120	150	24.3	S1	0.486	320	700	450
150	177	120	150	51.2	S1	1.023	380	1300	500
200	232	120	150	87.9	S1	1.758	530	2000	550
250	286	120	150	133.6	S1	2.672	590	2300	700
250	286	120	150	133.6	S2	1.336	590	1500	700
300	345	120	150	194.4	S1	3.888	650	2600	900
300	345	120	150	194.4	S2	1.994	650	1800	900

- ## NOTES:
1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH DTC/1100.
 2. THRUST BLOCKS DESIGNED TO WITHSTAND A DESIGN PRESSURE OF 120m AND A TEST PRESSURE OF 150m HEAD OF WATER.
 3. CAST THE THRUST AREA OF ALL THRUST BLOCKS AGAINST A CLEAN FACE OF UNDISTURBED NATURAL SOIL.
 4. DO NOT USE THRUST BLOCKS SPECIFIED IN THIS DRAWING IN SOILS WHERE THE NATURAL SOIL DOES NOT MEET THE MINIMUM REQUIREMENTS IN TABLE F6 ON DTC/1100.
 5. DO NOT USE THRUST BLOCKS SPECIFIED IN THIS DRAWING WITHIN 5m OF AN EMBANKMENT, CUTTING OR RETAINING WALL.
 6. DI PIPES AND FITTINGS TO BE WRAPPED IN PE SLEEVING. TAPE 700 LONG PE SLEEVING TO FIRST PIPE BEYOND CONCRETE ENCASEMENT. SLEEVING TO EXTEND 150 INTO ENCASEMENT.
 7. DO NOT APPLY ANY THRUST LOADS FOR AT LEAST 14 DAYS AFTER POURING CONCRETE.
 8. REFER TO TABLE F6 ON DTC/1100 FOR SOIL TYPES.
 9. MINIMUM COVER OF 750mm MUST BE PROVIDED WHERE A THRUST BLOCK SIZED FOR SOIL TYPE S2 IS INSTALLED IN THE CORRESPONDING SAND MATERIAL. (REFER TO NOTE 8). ALTERNATIVELY, USE A THRUST BLOCK SIZED FOR SOIL TYPE S1.
 10. SP-S2 DI CL PIPE WITH SO-S0 DI CONNECTOR MAY BE USED IN LIEU OF SP-S0 DI CL PIPE, WITH SO-S0 CONNECTOR INSTALLED AT THE END OF THE ENCASEMENT.