SOLENO
MASTERING WATER SUSTAINABLY

DATA SHEET

MANHOLE WITH SMOOTH EXTERIOR WALL

PRODUCT DESCRIPTION : Manhole with smooth interior and exterior walls for roadway and non-roadway use.

FUNCTION : Changes in direction and elevation, inspection and cleaning of buried networks (storm water, electrical, telephone, valve chamber, etc.).

RAW MATERIALS : Made from high-density polyethylene (HDPE) complies with properties classification of ASTM D3350 standard.

TECHNICAL DATA : Diameter: 600 mm (24 in) to 3 300 mm (132 in)
Standard height: custom-made
Structural strength: CAN/CSA - S6 - 02 (CL-625) and AASHTO (H-25 and HS-25)
Watertightness: ASTM D3212/10.8 psi



MANHOLE with smooth exterior wall and BIGC outlets (bell with integrated gasket with clips), adjustable cast iron grate and cover

TECHNICAL DATA TABLE

Nom. dia.		Int. dia.		Ext. dia.		Weight		Frames and grates	
mm	in	mm	in	mm	in	kg/m	lbs/ft	Non-roadway	Roadway
600	24	611	24,1	748	29,4	68,3	45,8	S series cast iron	Adjustable cast iron
750	30	756	29,8	899	35,4	110,9	74,4	S series cast iron	Adjustable cast iron
900	36	900	35,4	1050	41,4	127,5	85,5	S series cast iron	Adjustable cast iron
1050	42	1067	42,0	1234	48,6	154,0	103,3	S series cast iron	Adjustable cast iron
1200	48	1220	48,0	1387	54,6	166,0	111,3	S series cast iron	Adjustable cast iron
1350	54	1370	54,0	1549	61,0	169,0	113,6	S series cast iron	Adjustable cast iron
1500	60	1511	59,5	1698	66,9	181,0	121,6	S series cast iron	Adjustable cast iron
1650	66	1680	66,0	1895	74,6	206,0	138,4	S series cast iron	Adjustable cast iron
1800	72	1830	72,0	2067	81,4	264,0	177,4	S series cast iron	Adjustable cast iron
1950	78	1980	78,0	2220	87,4	284,0	190,8	S series cast iron	Adjustable cast iron
2100	84	2130	84,0	2393	94,2	351,0	229,8	S series cast iron	Adjustable cast iron
2250	90	2290	90,0	2548	100,3	408,0	274,2	S series cast iron	Adjustable cast iron
2400	96	2440	96,0	2718	107,0	460,0	309,1	S series cast iron	Adjustable cast iron
2250	102	2590	102,0	2890	113,8	520,0	349,4	S series cast iron	Adjustable cast iron
2700	108	2740	108,0	3045	119,9	601,0	403,9	S series cast iron	Adjustable cast iron
3000	120	3050	120,0	3371	132,7	730,0	490,6	S series cast iron	Adjustable cast iron
3300	132	3355	132,0	3716	146,3	886,0	595,4	S series cast iron	Adjustable cast iron

Note 1: Couplers of 100 mm (4 in) to 250 mm (10 in) diameter are available for special cases.

Note 2: Contact your castings supplier for exact dimensions of available grates and covers.

Note 3: Weight does not include grates and covers.

Note 4: For the number of inlets and outlets from the manhole, see reference document “Minimum angle between connections".

Note 5: 600 mm (24 in), 1 350 mm (54 in), 1 650 mm (66 in) and larger manholes with smooth exterior walls are available by special order.

Note 6: Technical data is for informational purposes only and may vary without notice.

DATA SHEET

MANHOLE WITH SMOOTH EXTERIOR WALL (CONT'D)

AVAILABLE COUPLERS/DIAMETER OF THE CONNECTING PIPET

Nominal dia. connecting pipe		Watertight connectors		Soil tight connectors	
		HDPE		HDPE	Concrete
mm	in	BIGC	BG	BC / PE	Other
300	12	X		X	X
375	15	X		X	X
450	18	X		X	X
525	21	X		X	X
600	24	X		X	X
750	30	X		X	X
900	36	X		X	X
1050	42		X		X
1200	48	X		X	X
1500	60		X		X

Note 1: For the number of inlets and outlets from the manhole, see reference document "Minimum angle between connexions".

LEGEND
BIGC : bell with integrated gasket with clips
BG : o-ring bell gasket
CB / PE : bell with clips / plain end

APPLICATIONS : Storm water sewer
Mechanical inspection room (electrical, fibre optic, etc.)
Valve chamber

OPTIONS: Special couplers are available upon request
Riser
Lifting eyelet
Special frames and covers
Safety platform
Ladder