



ATLANTA MANHOLE COVER



Glass Reinforced Plastic

Glass-reinforced plastic is a composite material composed of a polymer matrix (often polyester, vinyl ester, or epoxy) with glass fiber reinforcement. The glass fiber reinforcement offers strength and stiffness, while the polymer matrix provides toughness and resilience to environmental degradation, resulting in a combination that is stronger and more resistant to deformation than steel, iron, and other materials.

When it comes to application, GRP's are widely used in the marine, automotive, aerospace, and construction industries



Advantages



QUICK AND EASY TO INSTALL

The Atlanta Manhole Cover is quicker to install and much more practical to open and close to gain access to the manhole because it is 30% lighter than comparable covers.



ABLE TO CARRY HEAVY LOAD

The Atlanta Manhole Cover is strong, has outstanding stretch recovery and bending resistance, it also contributes significantly less noise and vibration transmissions.



LONG-SERVICE LIFE

With its anti-corrosion, dust and waterproof features, the Atlanta Manhole lid can withstand long-term with low maintenance of the product.



ENVIRONMENT-FRIENDLY

The Atlanta Manhole Cover provides carbon footprint reduction. Since this material implements new manufacturing technology, it has a lower built-in carbon emission that minimizes carbon footprint.



VERSATILE DESIGN WITH COMPLETE SIZES

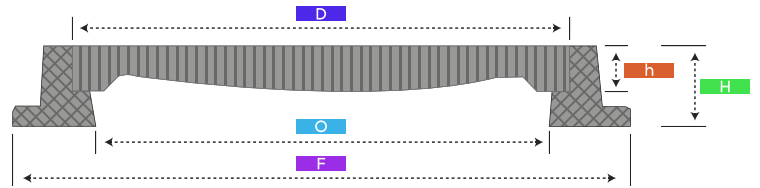
The Atlanta Manhole Cover is available in the following designs:

- A. Circular Manhole cover
- B. Rectangular/square Manhole cover

Comparison

Atlanta Manhole Cover	CI / DI Manhole Covers
Free from fear of theft as the material is non reprocessible and has no resale value	Heavily prone to theft as the material is reprocessible and has high resale value
Easy to handle because it's lightweight	Difficult to handle because of its weight
Does not rust due to chemical-sewage-rainwater	Gets rusted with chemical-sewage-rainwater
Long life cycle	Low service life due to corrosion
Low-cost installation with zero maintenance	High installation cost for mechanical devices and machinery
Self-pigmented material and UV stabilizer with good resistance to extreme weather	Additional cost for preventive rapid deterioration

Circular Manhole Cover



Dia 530

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	Dia 530	Dia 574	Dia 652	38	23	6	11.5	Open	Plain
2.5	2.5T	Dia 530	Dia 580	Dia 660	43	30	8	16	Closed	Inverted
5	5T	Dia 530	Dia 580	Dia 660	43	30	8	16	Closed	Inverted
10	10T	Dia 530	Dia 592	Dia 685	52	30	10	20	Open	Plain
12.5	B125	Dia 530	Dia 592	Dia 685	52	30	10	20	Open	Plain
20	20T	Dia 530	Dia 614	Dia 732	73	40	17	27	Open	Plain
25	C250	Dia 530	Dia 614	Dia 732	73	40	17	28	Open	Plain
40	D400	Dia 530	Dia 628	Dia 754	80	45	21	32	Closed	Inverted

Dia 600

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	Dia 600	Dia 648	Dia 730	43	30	9	18	Closed	Inverted
5	5T	Dia 600	Dia 648	Dia 730	43	30	9	18	Closed	Inverted
10	10T	Dia 600	Dia 662	Dia 755	52	30	11	24	Open	Plain
12.5	B125	Dia 600	Dia 662	Dia 755	52	30	11	24	Open	Plain
20	20T	Dia 600	Dia 690	Dia 816	80	45	21	38	Open	Plain
25	C250	Dia 600	Dia 690	Dia 816	80	45	21	38	Open	Plain
40	D400	Dia 600	Dia 690	Dia 816	80	45	21	42	Open/Closed	Plain/Double

Dia 690

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	Dia 690	Dia 740	Dia 825	43	23	11	23	Closed	Inverted
5	5T	Dia 690	Dia 740	Dia 825	43	23	11	23	Closed	Inverted

Dia 720

Unit: mm

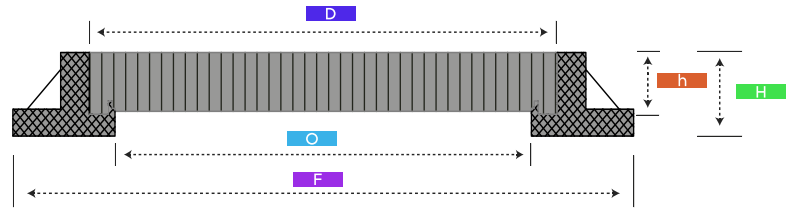
Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	Dia 720	Dia 772	Dia 850	43	25	10	30	Open	Plain
5	5T	Dia 720	Dia 772	Dia 850	43	25	10	30	Open	Plain

Dia 900

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
10	10T	Dia 900	Dia 980	Dia 1083	69	38	20	68	Open	Plain
12.5	B125	Dia 900	Dia 980	Dia 1083	69	38	20	68	Open	Plain
20	20T	Dia 900	Dia 985	Dia 1113	76	45	30	87	Open	Plain
25	C250	Dia 900	Dia 985	Dia 1113	76	45	30	87	Open	Plain

Square Manhole Cover



300x300

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	300X300	330X330	380X380	30	15	1.6	3.1	Open	Single
5	5T	300X300	340x340	410x410	35	20	4.2	5.8	Closed	Double
10	10T	300X300	352x352	440x440	45	25	6	8	Open	Plain
12.5	B125	300X300	352x352	440x440	45	25	6	8	Open	Plain
25	C250	300X300	363X363	455X455	63	35	8	11	Closed	Double
40	D400	300X300	363X363	455X455	63	35	8	11	Open	Plain

450x450

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	450x450	480x480	570x570	40	25	4	9	Open	Single
5	5T	450x450	480x480	570x570	40	25	4	9	Open	Single
10	10T	450X450	513x513	606x606	52	30	12	22	Open	Plain
12.5	B125	450X450	513x513	606x606	52	30	12	22	Open	Plain
20	20T	450X450	535X535	665X665	78	45	20	28	Open	Plain
25	C250	450X450	535X535	665X665	78	45	20	28	Open	Plain
40	D400	450X450	535X535	665X665	78	45	20	33	Open	Plain

600x600

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	600x600	642x642	720x720	40	25	9	18	Open	Single
5	5T	600x600	642x642	720x720	40	25	9	18	Open	Single
10	10T	600X600	663X663	756X756	52	30	14	36	Open	Plain
12.5	B125	600X600	663X663	756X756	52	30	14	36	Open	Plain
20	20T	600X600	688X688	816X816	80	45	26	49	Open/Closed	Plain/Double
25	C250	600X600	688X688	816X816	80	45	26	49	Open/Closed	Plain/Double
40	D400	600X600	688X688	816X816	80	45	26	49	Open/Closed	Plain/Double

750x750

Unit: mm

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	750X750	800X800	885X885	48	28	14	47	Open/Closed	Plain/Inverted
5	5T	750X750	800X800	885X885	48	28	14	47	Open/Closed	Plain/Inverted
10	10T	750X750	810X810	910X910	65	35	18	58	Open	Plain
12.5	B125	750X750	810X810	910X910	65	35	18	58	Open	Plain
20	20T	750X750	836X836	956X956	74	42	30	81	Open	Plain
25	C250	750X750	836X836	956X956	74	42	30	81	Open	Plain
40	D400	750X750	836X836	956X956	74	42	30	81	Open	Plain

Square Manhole Cover

900x900

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	900X900	953x953	1066x1066	68	40	27	53	Open	Plain
5	5T	900X900	953x953	1066x1066	68	40	27	53	Open	Plain
10	10T	900X900	960x(482x2)	1066x1066	68	40	27	45x2	Open	Plain
12.5	B125	900X900	960x(482x2)	1066x1066	68	40	27	45x2	Open	Plain
20	20T	900X900	986x(491x2)	1116x1116	80	45	40	64x2	Open	Plain
25	C250	900X900	986x(491x2)	1116x1116	80	45	40	64x2	Open	Plain
40	D400	900X900	986x(491x2)	1116x1116	80	45	40	64x2	Open	Plain

1000x1000

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	1000X1000	1060x1060	1180x1180	65	40	33	77	Open	Plain
5	5T	1000X1000	1060x1060	1180x1180	65	40	33	77	Open	Plain
10	10T	1000X1000	1078x(537x2)	1180x1180	65	40	33	60x2	Open	Plain
12.5	B125	1000X1000	1078x(537x2)	1180x1180	65	40	33	60x2	Open	Plain
20	20T	1000X1000	1089x(543x2)	1220x1220	80	45	46	85x2	Open	Plain
25	C250	1000X1000	1089x(543x2)	1220x1220	80	45	46	85x2	Open	Plain
40	D400	1000X1000	1089x(543x2)	1220x1220	80	45	46	90x2	Open	Plain

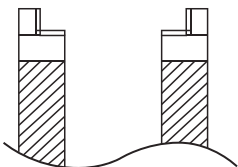
1200x1200

Tonnage	Class	Clear Opening O	Cover size D	Frame size F	Frame height H	Cover Thickness h	Weight in kg		Key Type	Seal Type
							Frame	Cover		
2.5	2.5T	1200X1200	1287x(641x2)	1396x1396	69	42	46	87x2	Open	Plain
5	5T	1200X1200	1287x(641x2)	1396x1396	69	42	46	87x2	Open	Plain
10	10T	1200X1200	1287x(641x2)	1396x1396	69	42	46	87x2	Open	Plain
12.5	B125	1200X1200	1287x(641x2)	1396x1396	69	42	46	87x2	Open	Plain
20	20T	1200X1200	1308x(651x2)	1438x1438	85	50	65	127x2	Open	Plain
25	C250	1200X1200	1308x(651x2)	1438x1438	85	50	65	127x2	Open	Plain

Standard Color: Black or Gray

Note: We can customize for bigger size requirements or other colors. Contact us for more info.

Installation



1
Set up the frame with complete civil support



3
Secure the lid on the frame for safety



2
The lid should be safely placed into the frame



4
Complete installation of Atlanta Manhole Cover