

FCST Manhole Cover--EN124:2015-B125Test Conditions & Test Criteria

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Test Equipment: Microcomputer-controlled Manhole Cover Pressure Testing Machine

Standard: BS EN 124-5:2015

Applicable: FCST-B125-SMC05-600*600mm(Clear Opening 600x600mm)

1.Test Parameters

- 1.1 Test sample quantity: 1pcs
- 1.2 Ambient temperature: 23°C±3°C
- 1.3 Test times: 30s
- 1.4 Test pressure: 83.3KN
125KN
- 1.5 Pre-conditioning: Under room temperature conditions, for ≥ 24 hours.
- 1.6 Test speed: 3KN/S

2.Test Method

2.1.Test sample requirement

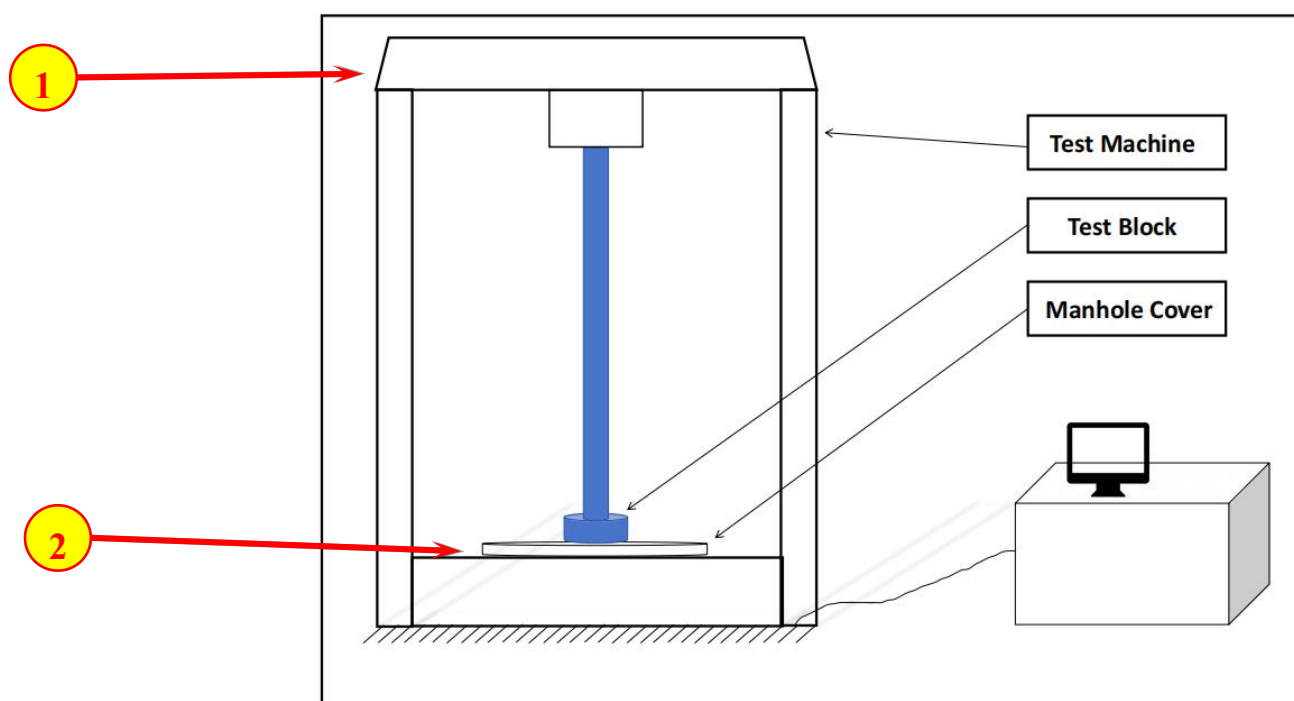
No.	Description	Requirement
1	Sample	Intact and flawless

1



2.2.Test Requirement

No.	Description	Requirement
1	Microcomputer-controlled Manhole Cover Pressure Testing Machine	Place it horizontally, and it can be used normally.
2	Sample	Intact, flawless
Remark	1. For all tests, apply pressure until it reaches two-thirds of the load-bearing grade, then release the pressure. Repeat this process 5 times. After that, apply pressure until it reaches the required load-bearing grade, maintain the pressure for 30 seconds, release the pressure, and check whether there are any obvious visible cracks on the manhole cover.	



3.Requirement Of Result

Requirement:For all tests, apply pressure until it reaches two-thirds of the load-bearing grade, then release the pressure. Repeat this process 5 times. After that, apply pressure until it reaches the required load-bearing grade, maintain the pressure for 30 seconds, release the pressure, and check whether there are any obvious visible cracks on the manhole cover.

No.	Description	Test Judgment
1	Appearance	No damage: PASS Deformation (recoverable): PASS Crack: FAIL Defect: FAIL
2	Structure	The parts are not damaged or missing and do not affect the use: PASS missing: FAIL
Remark	The quality inspection report is required to include test pictures and a complete test video (showing the process).	

4.Version Information

Serial Number	Modification Date	Supplementary Content	Version Number
1	February 19, 2025	Establish the standard	V1

