



Better FTTx, Better Life.



August, 2025

Technical Information

FCST-TH-SMC02

SMC Telecom Manhole Chamber

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Telecom Manhole Chamber

FCST-TH-SMC02 Telecom Manhole Chamber is meticulously engineered to offer comprehensive protection, storage, equipment installation, and maintenance solutions for the underground placement of optical fiber splice boxes and cable products. This product boasts not only high stability, an extended service life, and exceptional pressure resistance, but also facilitates easy assembly.



- Excellent corrosion and weather resistance.
- Good electrical insulation and flame retardancy.
- Depth can be stacked according to requirements.
- Lightweight design using SMC composite materials.
- Prefabricated structure reduces on-site construction costs.
- Internal Dimensions: 1180*400*583mm(46.457"x15.749"x22.953")
- Complies with EN124 Standard .(B125 (12.5T)/C250 (25T)/D400 (40T))
- Transverse and vertical cross stiffeners are arranged around the outer side of the shaft, also be closely combined with the rammed soil layer. It is not easy to move and loosen after rolling.

**EN124**

Product Specifications

Construction	Description
Executive Standard	EN124
Material	SMC
Manhole Cover Load Grade	B125(12.5T) C250(25T) D400(40T)
Length	1180.00mm 46.457in
Width	400.00mm 15.749in
Depth	583.00mm 22.953in
Weight	100.8kg(1 Layer)
Flame Retardant Grade	V0
Environmental Requirements LOGO	Meet ROHS Available
Working Temperature	-40°C~+65°C
Storage Temperature	-40°C~+70°C
Service Life	30 years



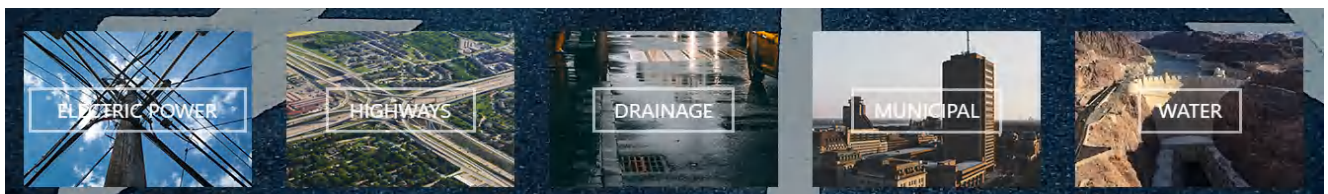
Product Size

External Size(L*W*D)	Internal Dimensions(L*W*D)	Manhole Cover Load Grade
1300*520*642mm (51.182"x20.473"x25.276")	1180*400*583mm (46.457"x15.749"x22.953")	B125(12.5T)/C250(25T)/D400(40T)

The technical drawing shows two views of the manhole chamber. The top view (left) shows a rectangular chamber with overall dimensions of 1300mm by 520mm. Internal dimensions are 1180mm by 400mm. The drawing includes details of the top cover, internal structure, and cable entry points. The side view (right) shows the chamber's height and internal structure, with dimensions including 460mm for the top cover width, 80mm for the top cover height, 146mm for the internal width, 400mm for the internal length, and 520mm for the overall length. The height dimensions are 183mm, 583mm, 586mm, and 642mm.

UNIT:MM

Product Application

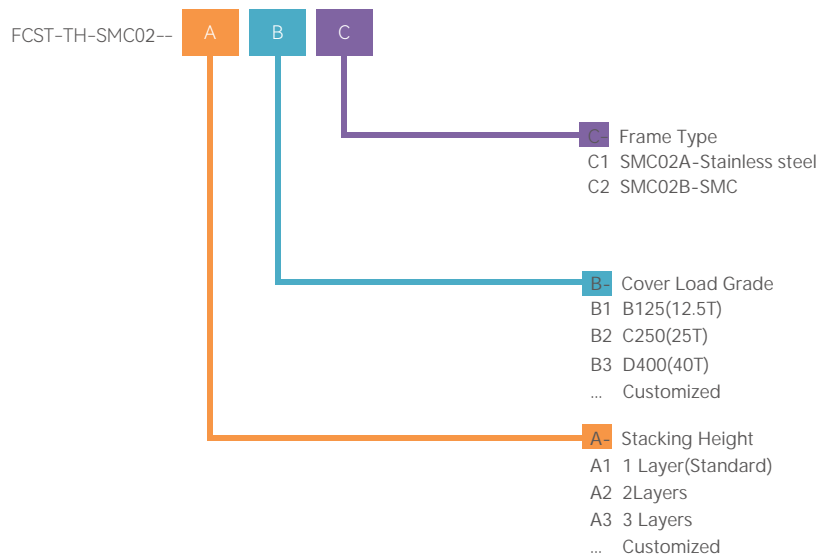


Note : The practical application of this Composite Manhole Chamber, covering many fields such as municipal administration, electric power,electricity, water , road administration,and drainage.

On each side of the product. The size of the drill hole can be adjusted at the construction site according to the actual size of the HDPE Silicon Pipe/HDPE Micro-duct.



Ordering Information



*Note: The specified model is determined based on optional configurations. For example: FCST-TH-SMC02--A1-B1-C1.

Accessories Optional



Optional-1 FOSC Fixed Frame



Optional-2 FOSC Fixed Frame



Optional-3 FCST-Cross Cable Rack



Optional-4 Manhole Ladder

Related Products



Fiber Optic Splice Closure



Fiber Optic Cable



Micro Duct Connector

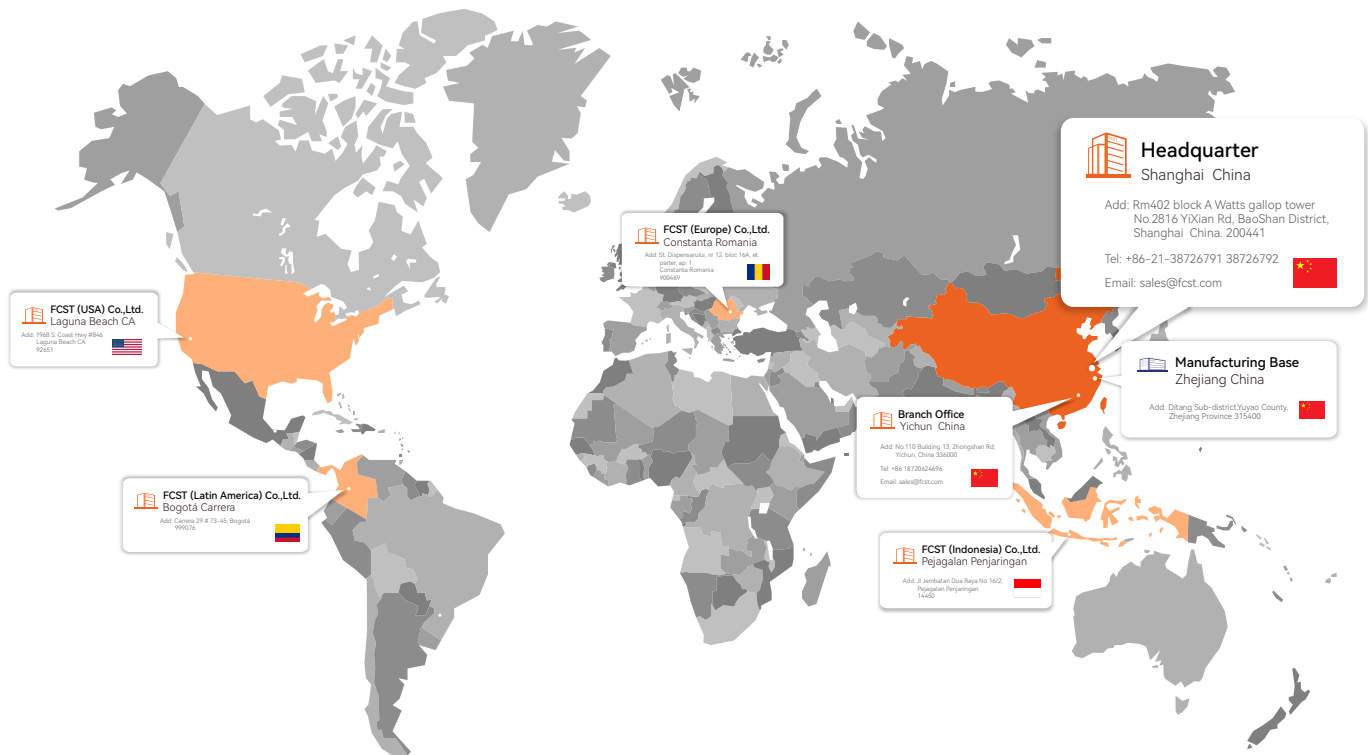


Micro-duct



Better FTTx, Better Life.

Fiber Cable Solution Technology Co.,Ltd.



FCST - Better FTTx, Better Life.

At FCST, we manufacture top-quality microduct connectors, microduct closure, telecom manhole chambers and fiber splice boxes since 2003. Our products boast superior resistance to failure, corrosion, and deposits, and are designed for high performance in extreme temperatures. We prioritize sustainability with mechanical couplers and long-lasting durability.

FCST aspires to a more connected world, believing everyone deserves access to high-speed broadband. We're dedicated to expanding globally, evolving our products, and tackling modern challenges with innovative solutions. As technology advances and connects billions more devices, FCST helps developing regions leapfrog outdated technologies with sustainable solutions, evolving from a small company to a global leader in future fiber cable needs.

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