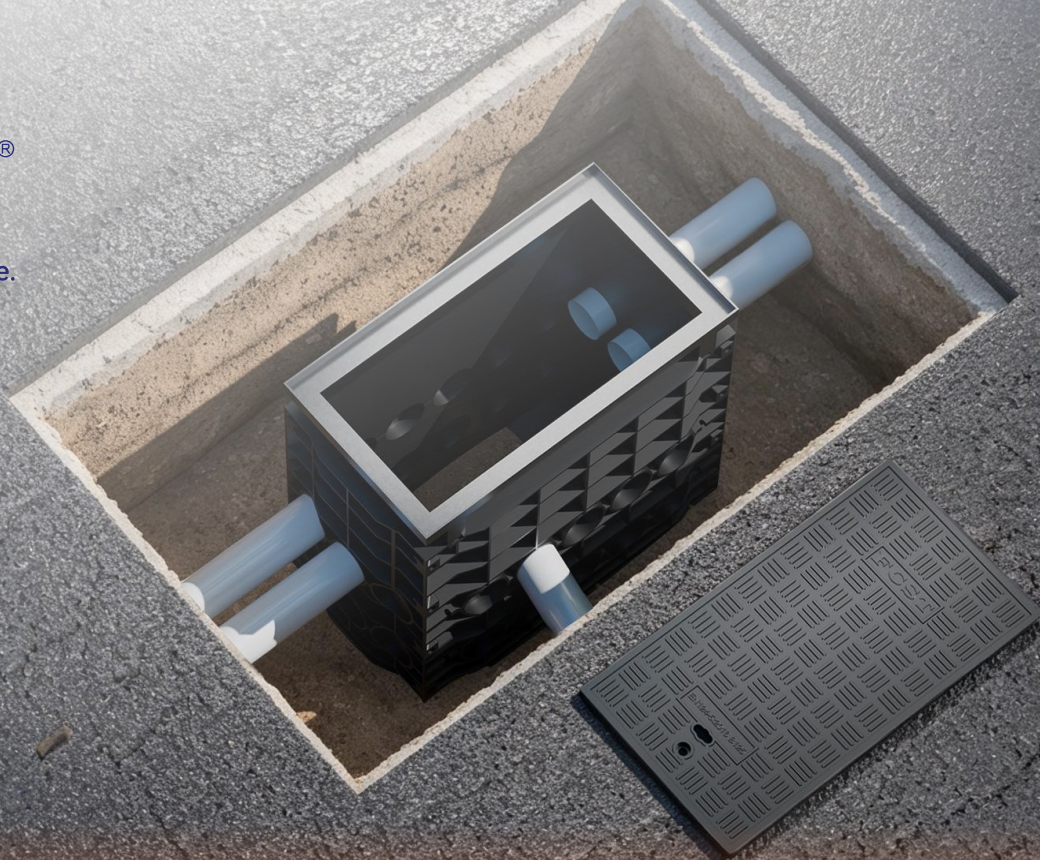




Better FTTx, Better Life.



September, 2026

Technical Information

FCST-TH-SMC15 Telecom Manhole Chamber

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www.fcst.com

www.microductcoupler.com

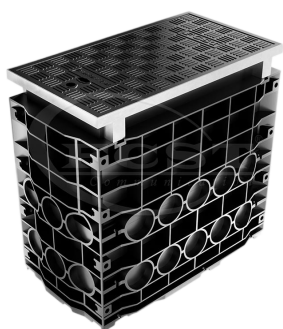




Telecom Manhole Chamber

FCST-TH-SMC15 Telecom Manhole Chamber adopts a modular design and serves as a modern alternative to traditional brick - built chambers. This system enables contractors to construct access chambers safely, quickly and cost-effectively. Compared with traditional construction methods, it delivers better finished - product quality, fewer defects and greatly improved on-site safety performance.

Benefiting from its lightweight design, each individual component is light-weighted and can be manually lifted and stacked layer by layer to reach the required burial depth. All four sides are pre-drilled with reserved openings up to 110mm. The complete manhole chamber can be installed from excavation to reinstatement in less than one hour.



- Service life can reach 30 years.
- Complies with EN124 Standard (D400)
- Depth can be stacked according to requirements.
- Lightweight design using SMC composite materials.
- Internal Dimensions: 792*390*835mm (31.18"x15.35"x32.87")
- Prefabricated structures reduce on-site installation costs by 80%.
- 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



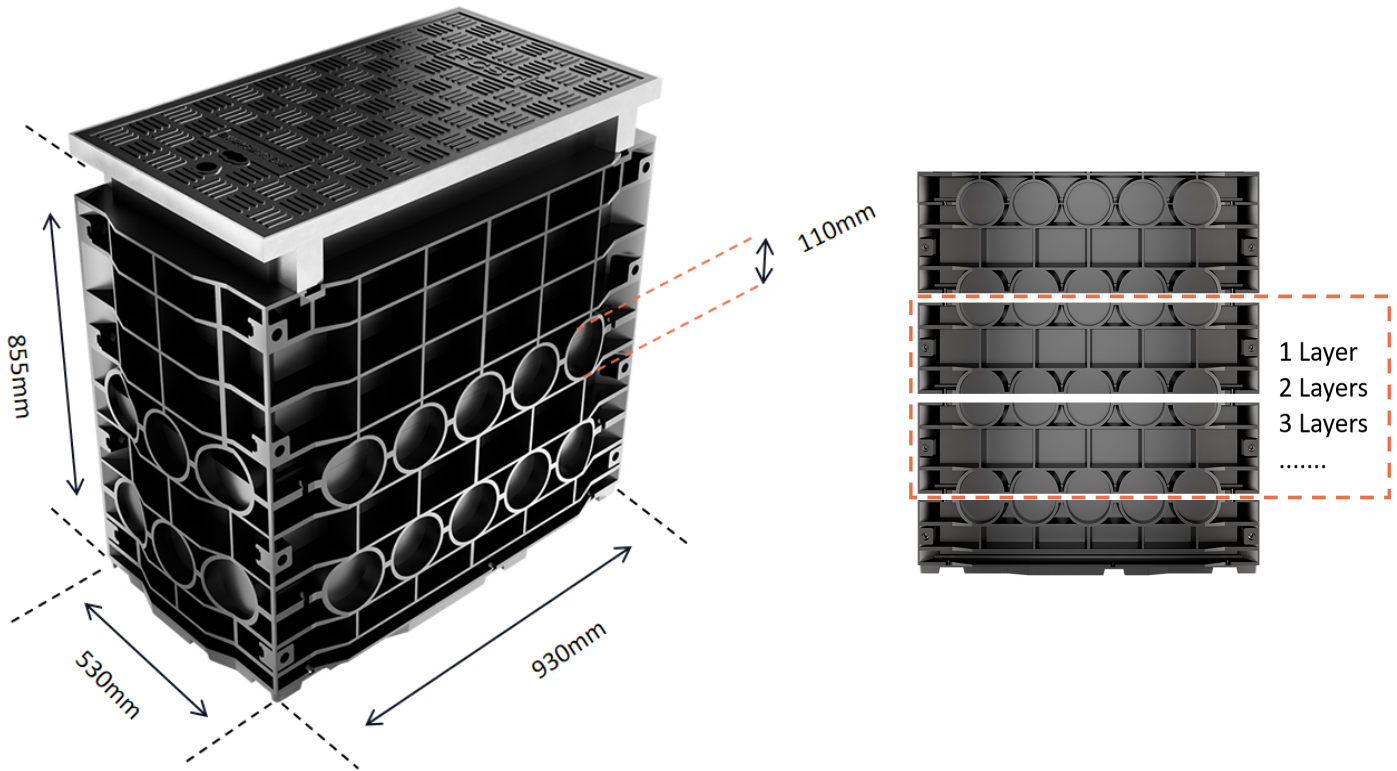
Product Specifications

Construction	Description
Executive Standard	EN124
Material	SMC/BMC
Manhole Cover Load Grade	D400
Length	792mm 31.18in
Width	390mm 15.35in
Depth	835mm 32.87in
Weight	SMC:120kg Ductile Iron:122kg
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

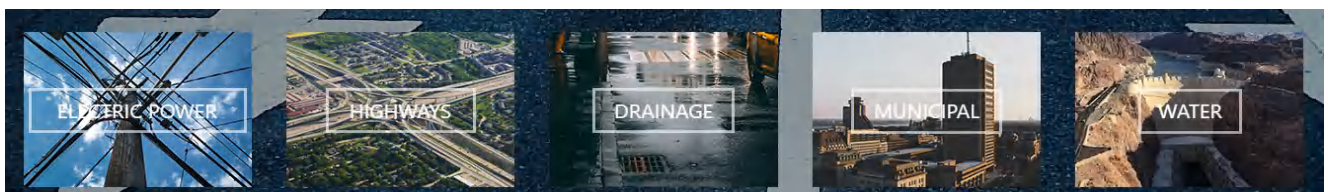


Product Size

External Size(L*W*D)	Internal Dimensions(L*W*D)	Manhole Cover Load Grade
930 x 530 x 855mm (36.61"x20.87"x33.66")	792*390*835mm (31.18"x15.35"x32.87")	D400



Product Application

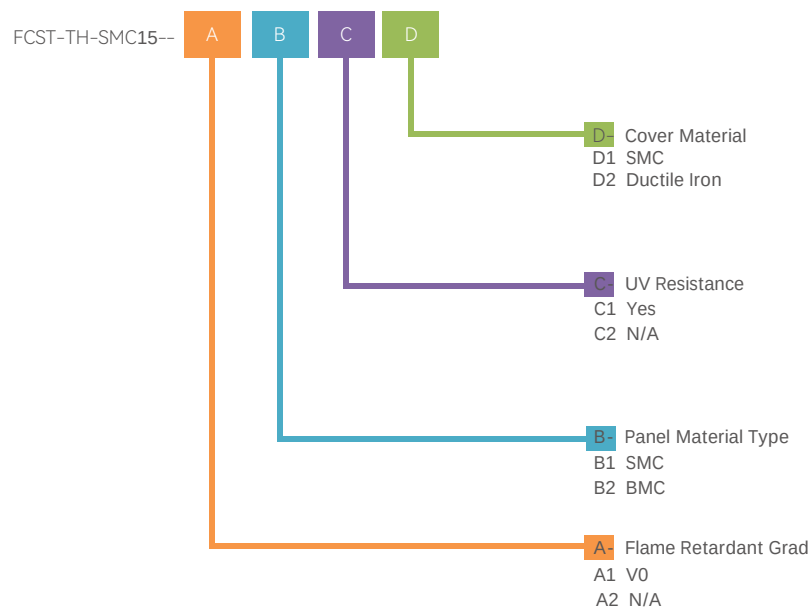


Note : The practical application of this Composite Manhole Chamber, covering many fields such as municipal administration, electric power,electricity, water , road administration,and drainage.

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-SMC15--A1-B1-C1-D1.

Accessories Optional



Optional-1 FOSC Fixed Frame



Optional-2 FOSC Fixed Frame



Optional-3 FCST-Cross Cable Rack

Related Products



15J DB Microduct Connector



Micro Cable



Divisible Duct Sealing

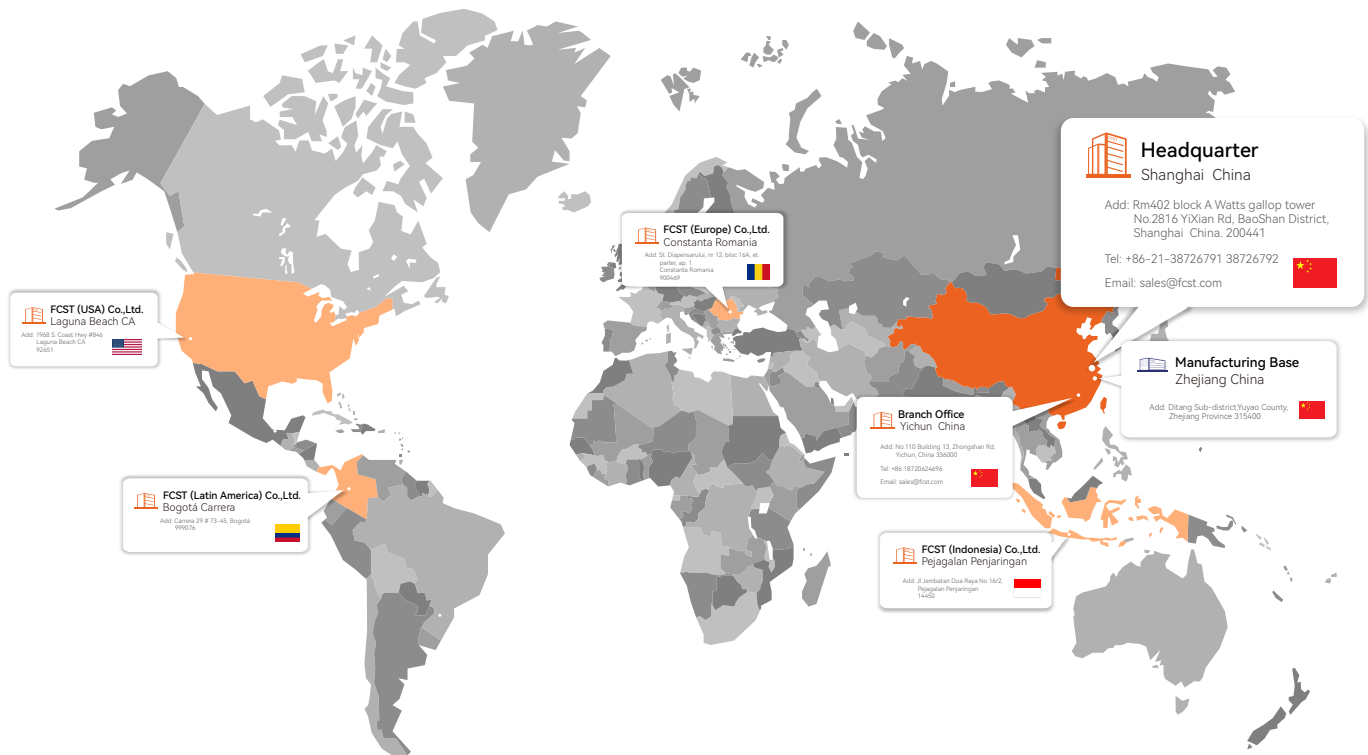


Marker Ball



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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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