INSPECTION CHAMBER / MANHOLE

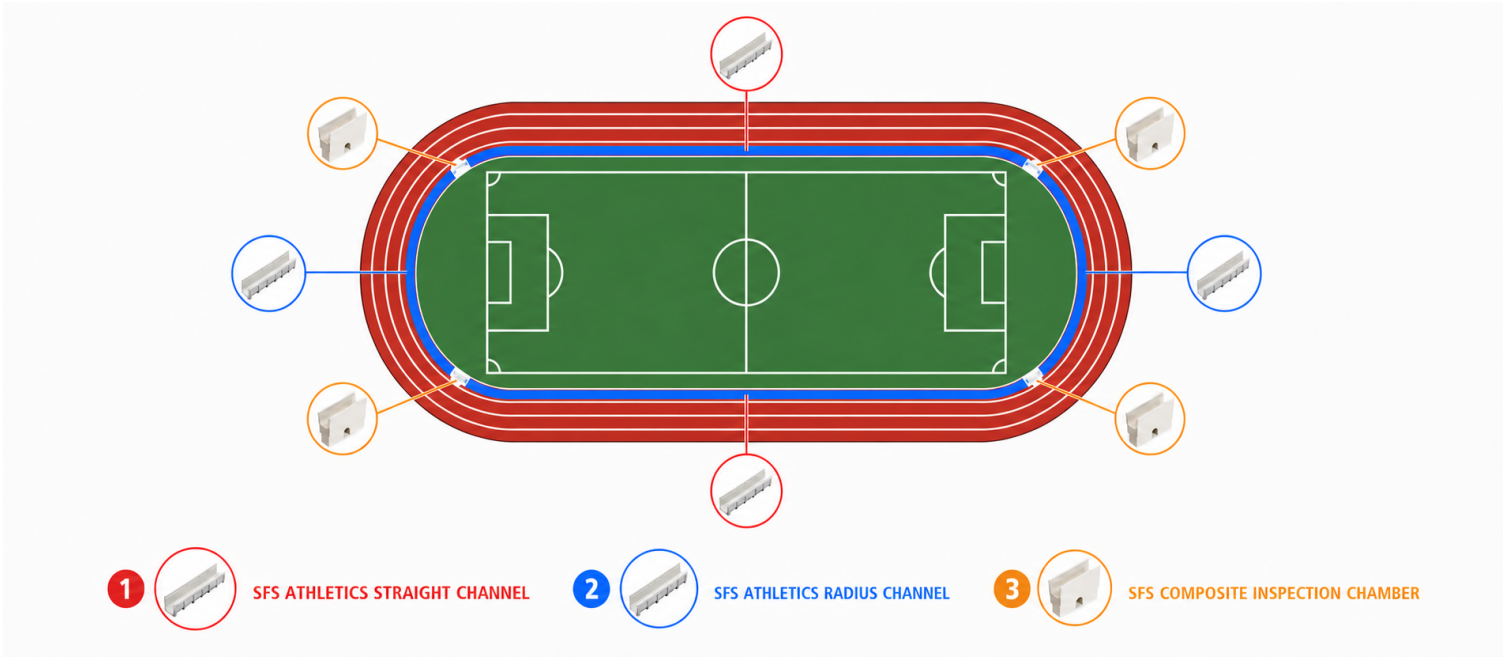
# SFS Composite Inspection Chamber

SKU: SFS-ROGAR



High-capacity composite inspection chamber designed for the outlet points and infrastructure connections of athletics drainage lines. It provides the necessary access for the cleaning and maintenance of the channel system while allowing flexible pipe connections. With its fully composite body, it offers impermeability, longevity, and absolute protection against subsurface chemicals.

MATERIAL
**COMPOSITE**
INTERNAL WIDTH
**Outlet detail**
CERTIFICATION
**World Athletics Approved**




| 400m | NW 125 | COMPOSITE | WORLD ATHLETICS |
|---|---|---|---|
| STANDARD TRACK | INTERNAL WIDTH | MATERIAL | APPROVED |

## KEY PRODUCT FEATURES

- ✓ World Athletics Approved
- ✓ Composite material
- ✓ NW 125 internal width
- ✓ 1000 mm unit length

## SYSTEM OVERVIEW

The SFS Athletics Drainage System is an integrated water management solution designed for standard 400 m athletics tracks. Straight channel, radius channel, covers and inspection chamber components work together to efficiently remove surface water from the track.



## PRODUCT

| PRODUCT | VALUE |
|---|---|
| SKU | **SFS-ROGAR** |
| CATEGORY | Inspection Chamber / Manhole |
| MATERIAL | COMPOSITE |
| INTERNAL WIDTH | Outlet detail |
| DRAINAGE ROLE | Project based |
| UNIT DIMENSIONS | Width 160 mm · Height 585 mm · Length 500 mm |
| UNIT WEIGHT | 5.5 - 6 kg / unit |
| WORKING TEMP. | -30°C / +80°C |
| SURFACE FINISH | UV-stable composite |
| STANDARD | EN 1433 / World Athletics TR |
| CERTIFICATION | World Athletics Approved |

## AREAS OF APPLICATION

- Outlet connection points within athletics track drainage lines
- Maintenance access points for inspection and cleaning
- Transition between channel body and underground pipe connection
- Sump unit at low points in the drainage layout

## TECHNICAL DRAWING FILES (DXF)

| DRAWING | FILE NAME |
|---|---|
| Inspection Chamber | *sfs-inspection-chamber.dxf* |

*Download DXF files from the product page at sfsdrain.com*

## MATERIAL PROPERTIES

| PROPERTY | VALUE |
|---|---|
| Density | 2.1 - 2.3 g/cm³ |
| Heat Resistance | 100°C (continuous load) |
| Frost Resistance | -50°C |
| Water Penetration | 0 mm |
| Water Absorption | 0.05% |

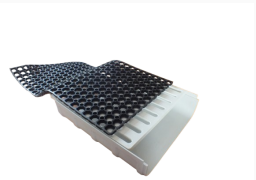
## COMPLEMENTARY PRODUCTS



**SFS Athletics Straight Channel**
SFS-ATH-STR



**SFS Athletics Radius Channel**
SFS-ATH-RAD



**SFS Sand Trap Channel**
SFS-SAND-TRAP

## INSTALLATION OVERVIEW

| # | STEP | DESCRIPTION |
|---|---|---|
| 01 | **Position Planning** | Place the chamber at the drainage line outlet point as shown in the project drawing. It replaces one channel unit in the run. |
| 02 | **Base Preparation** | Compact base to C20/25 concrete min. 150 mm thick. Ensure invert level matches the pipe connection below. |
| 03 | **Chamber Placement** | Lower chamber into position. Connect the outlet pipe to the chamber base. Confirm correct flow direction before haunching. |
| 04 | **Haunching & Backfill** | Haunch all sides with C20/25 concrete. Allow to cure. Backfill and compact in layers. Avoid heavy loads until fully cured. |
| 05 | **Cover & Final Check** | Fit cover flush with finished surface. Verify pipe connection is watertight. Check chamber is clean before closing. |

## IMPORTANT NOTES & REQUIREMENTS

› Do not backfill until concrete haunching has cured (min. 24 h).
› Cover type must match the surface coating thickness.
› Minimum slope: 0.5% towards the outlet connection.
› All drainage connections must be watertight.
› Install in conformance with World Athletics Technical Regulations.
› Refer to the installation diagram pages that follow.

SFS MÜHENDİSLİK
**SFS DRAIN**
ATHLETICS TRACK DRAINAGE SOLUTIONS
World Athletics approved composite drainage systems.
Reliable water management for athletics tracks.

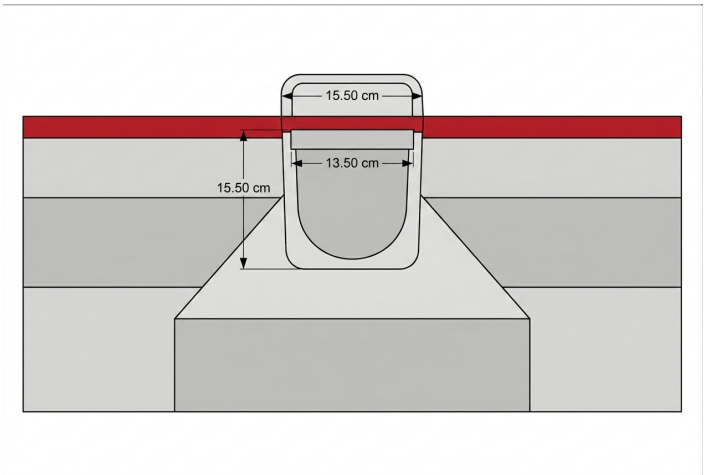
WEBSITE
**sfsdrain.com**
E-MAIL
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CERTIFICATION
World Athletics Approved

This document is for technical reference only. Specifications subject to change without notice. For project-specific guidance, contact SFS Drain engineering.

EXAMPLE INSTALLATIONS

# Example Installations

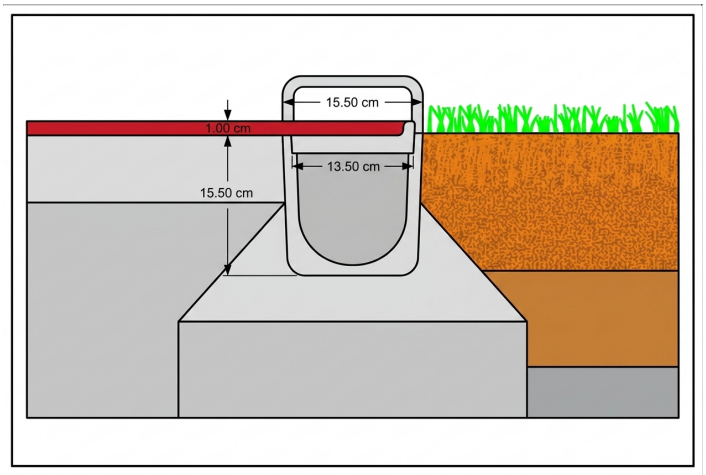
SFS Drain manufactures fully composite drainage systems for standard 400 m athletics tracks. The cross sections below show typical installation layouts for the SFS channel and inspection chamber components.




SFS DRAIN

**Channel Installation - Track Level**

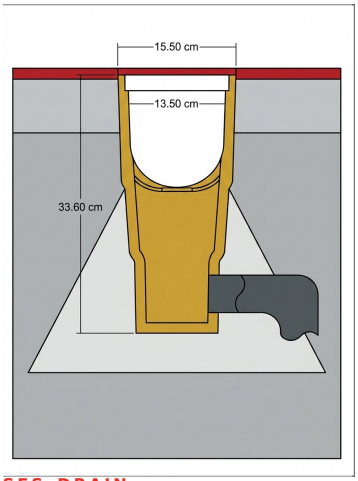
- Composite drainage channel
- Flush with track surface




SFS DRAIN

**Channel Installation - Field Edge**

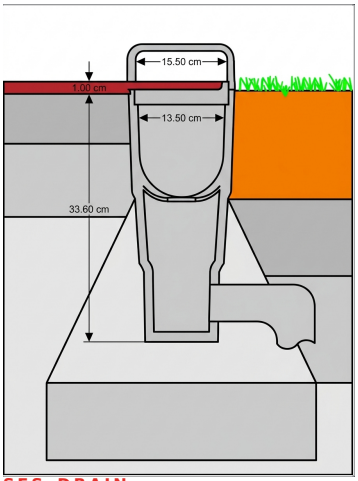
- Composite drainage channel
- D-sector layout




SFS DRAIN

**Inspection Chamber Installation - Track Level**

- Composite inspection chamber
- Underground pipe connection




SFS DRAIN

**Inspection Chamber Installation - Field Edge**

- Composite inspection chamber
- D-sector layout