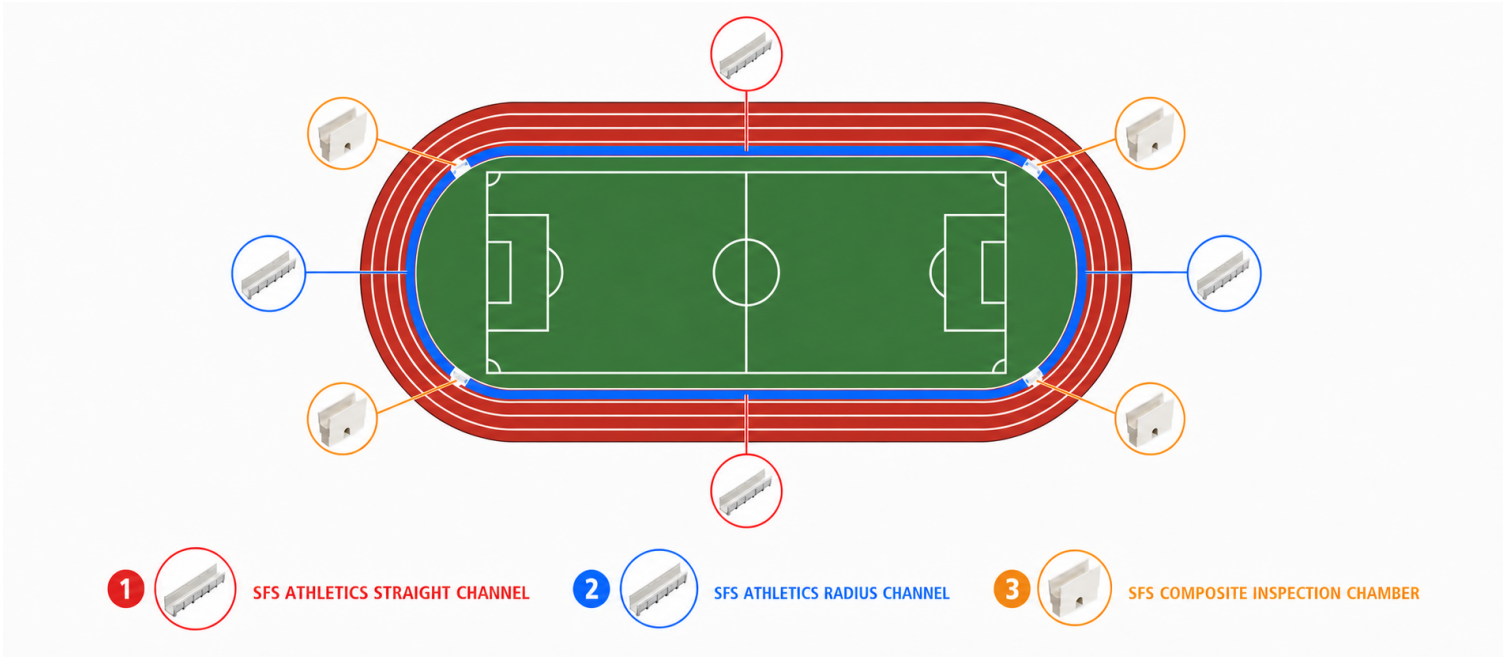
INSPECTION CHAMBER / MANHOLE

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

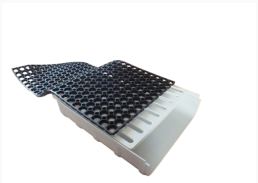
MATERIAL PROPERTIES

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.

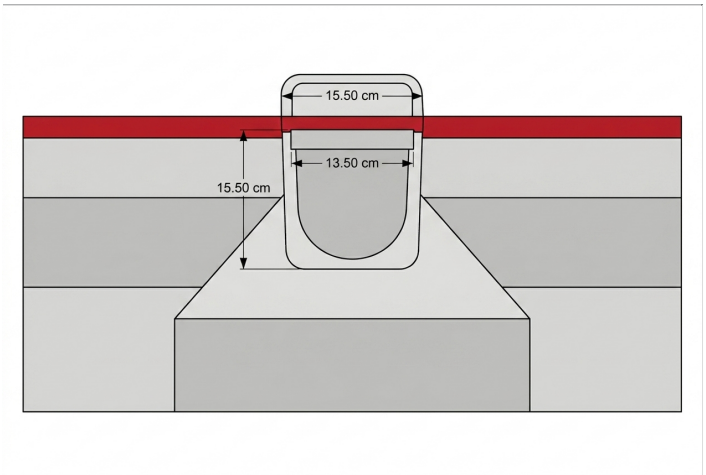
SFS MÜHENDİSLİK
SFS DRAIN
ATHLETICS TRACK DRAINAGE SOLUTIONS
World Athletics approved composite drainage systems.
Reliable water management for athletics tracks.

WEBSITE
sfsdrain.com
E-MAIL
info@sfsdrain.com
CERTIFICATION
World Athletics Approved

EXAMPLE INSTALLATIONS

Example Installations

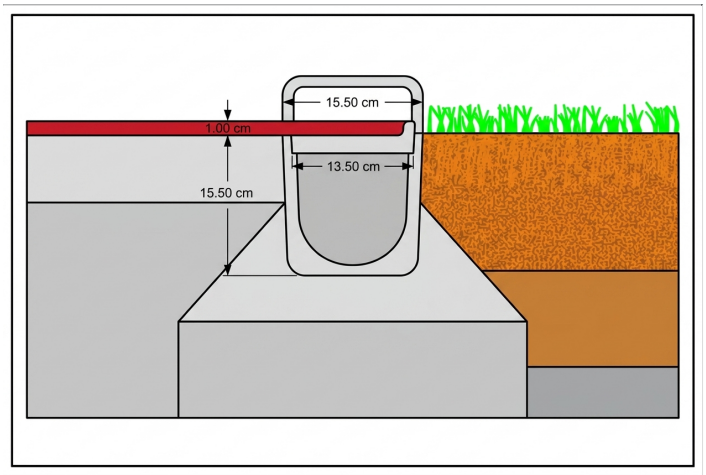
SFS Drain manufactures fully composite drainage systems for standard 400 m athletics tracks. The cross sections below show typical installation layouts for the SFS channel and inspection chamber components.



SFS DRAIN

Channel Installation - Track Level

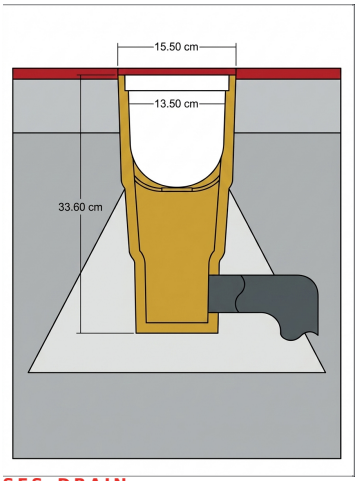
- Composite drainage channel
- Flush with track surface



SFS DRAIN

Channel Installation - Field Edge

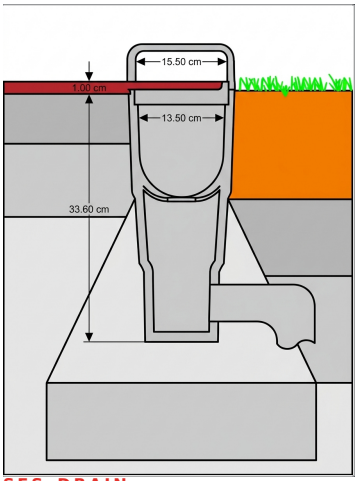
- Composite drainage channel
- D-sector layout



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