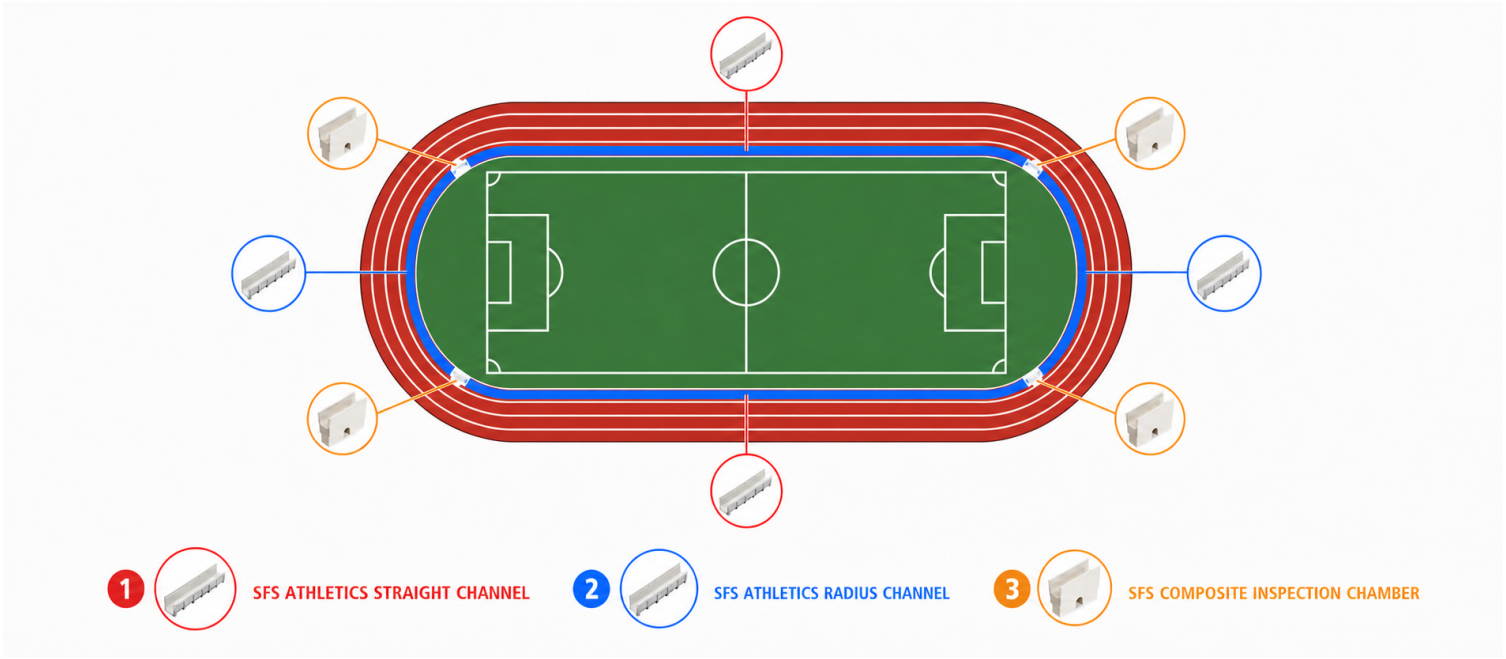
STRAIGHT DRAINAGE CHANNEL

SFS Athletics Straight Channel

SKU: SFS-ATH-STR

Composite straight drainage channel specifically developed for the straight sections, run-off areas, and perimeter drainage lines of athletics tracks. By remaining flush with the surface coating, it eliminates tripping hazards. Ensuring the drainage of high-volume surface water while maximizing athlete safety, its fully composite body provides a long-lasting and corrosion-resistant system.

MATERIAL
COMPOSITE
INTERNAL WIDTH
NW 125
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-ATH-STR**
CATEGORY	Straight Drainage Channel
MATERIAL	COMPOSITE
INTERNAL WIDTH	NW 125
DRAINAGE ROLE	Project based
UNIT DIMENSIONS	Length 1000 mm · Width 160 mm · Height 200 mm
UNIT WEIGHT	2.9 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

- Athletics track straight sections and perimeter drainage lines
- Run-off zones at sprint finish and field event areas
- Warm-up track and training facility perimeters
- Multi-sport stadium perimeter drainage where straight geometry is required

TECHNICAL DRAWING FILES (DXF)

DRAWING	FILE NAME
Straight Channel Body	*sfs-straight-channel-body.dxf*
Raised Center Cover	*sfs-raised-center-cover.dxf*
Athletics Straight Cover	*sfs-athletics-straight-cover.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

Straight Middle Cover
SFS-ATH-STR-MID

Straight Top Cover
SFS-ATH-STR-TOP

SFS Composite Inspection Chamber
SFS-ROGAR

INSTALLATION OVERVIEW

#	STEP	DESCRIPTION
01	**Trench Preparation**	Excavate trench to required depth. Compact base to min. C20/25 concrete bedding 100 mm. Ensure min. 0.5% slope towards the outlet point.
02	**Channel Placement**	Place channel bodies end-to-end. Align using a string line. Confirm invert levels match drainage design before fixing.
03	**Jointing & Haunching**	Haunch both sides with C20/25 concrete (min. 150 mm). Do not backfill until haunching has cured.
04	**Cover Installation**	Fit the specified middle or top cover after the track surface coating is applied. Confirm cover sits flush with the finished track surface.
05	**Final Inspection**	Check cover seating along the full line. Clear any debris before the track surface is closed. Verify the outlet connection is clean and unobstructed.

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.

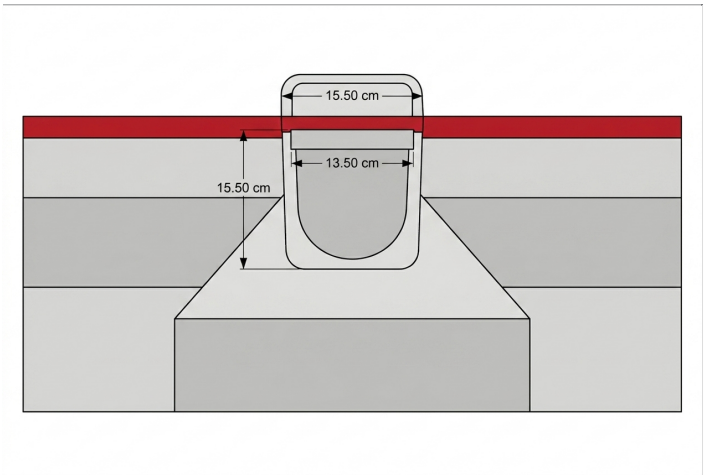
SFS MÜHENDİSLİK
SFS DRAIN
ATHLETICS TRACK DRAINAGE SOLUTIONS
World Athletics approved composite drainage systems.
Reliable water management for athletics tracks.

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

EXAMPLE INSTALLATIONS

Example Installations

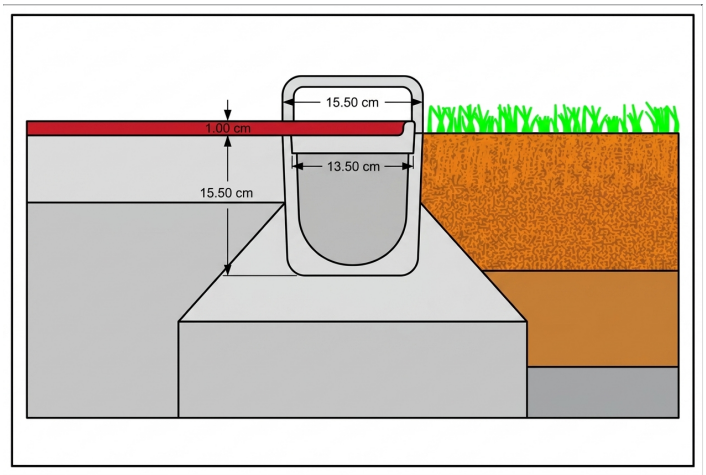
SFS Drain manufactures fully composite drainage systems for standard 400 m athletics tracks. The cross sections below show typical installation layouts for the SFS channel and inspection chamber components.



SFS DRAIN

Channel Installation - Track Level

- Composite drainage channel
- Flush with track surface



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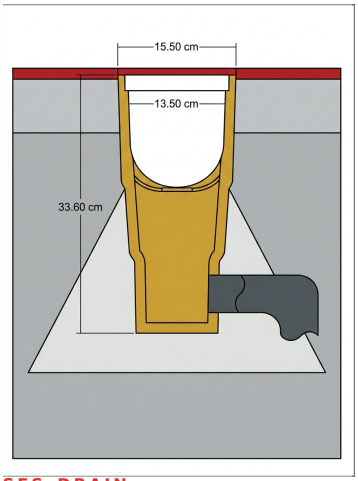
Channel Installation - Field Edge

- Composite drainage channel
- D-sector layout



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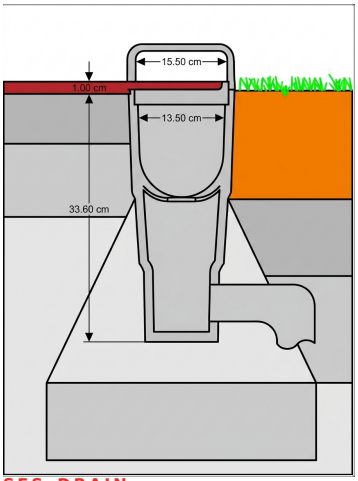
Inspection Chamber Installation - Track Level

- Composite inspection chamber
- Underground pipe connection



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Inspection Chamber Installation - Field Edge

- Composite inspection chamber
- D-sector layout