CURVED DRAINAGE CHANNEL

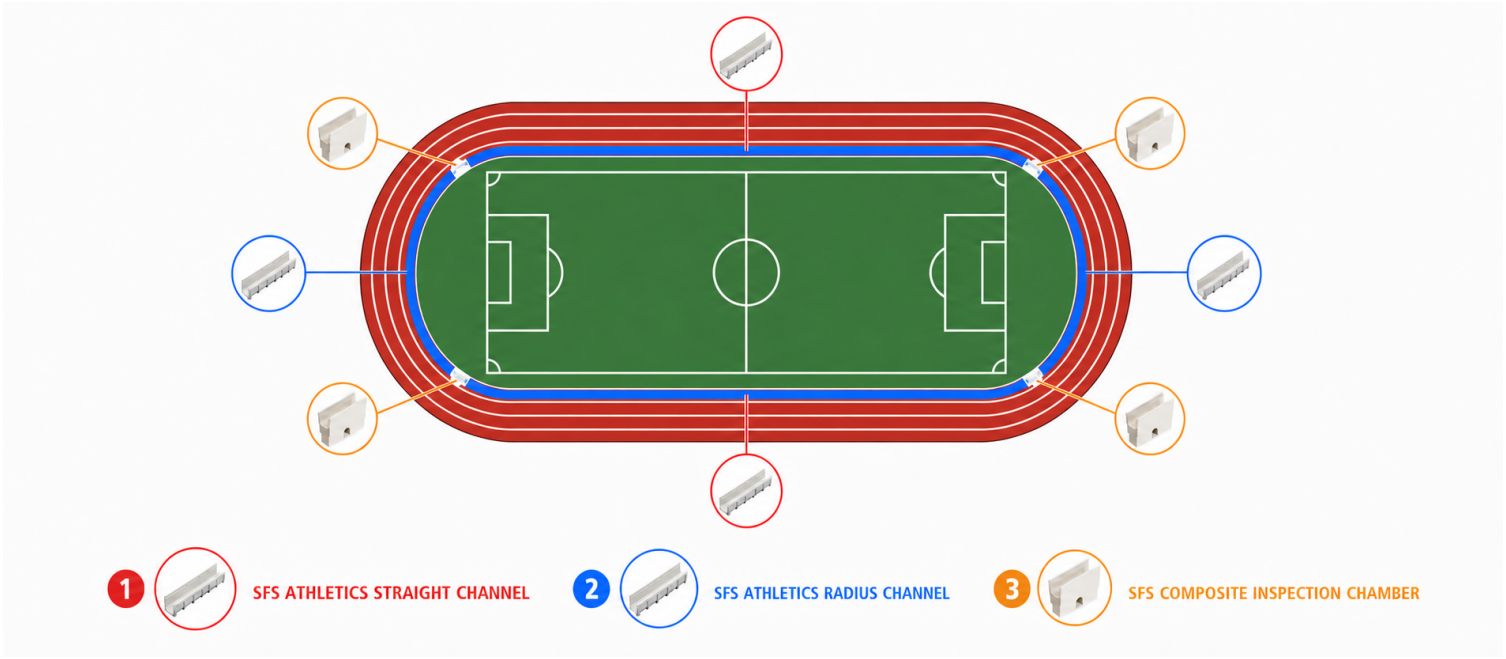
SFS Athletics Radius Channel

SKU: SFS-ATH-RAD



Curved composite channel designed to seamlessly meet the drainage requirements of track bends and radius sections. It perfectly adapts to the turning geometry of the track, preventing water accumulation. Thanks to the high strength and lightness of its composite structure, it offers ease of installation while demonstrating superior durability against harsh weather conditions.

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-RAD**
CATEGORY	Curved Drainage Channel
MATERIAL	COMPOSITE
INTERNAL WIDTH	NW 125
DRAINAGE ROLE	Project based
UNIT DIMENSIONS	Length 1000 mm · Width 160 mm · Height 200 mm · Radius R = 36.5 m
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 curved sections and bends (standard R = 36.5 m)
- Radius drainage lines where straight channels cannot follow the track geometry
- Combined with straight channel sections to form a continuous drainage line
- Inside and outside edge of athletics track curves

TECHNICAL DRAWING FILES (DXF)

DRAWING	FILE NAME
Radius Channel Body	*sfs-radius-channel-body.dxf*
Radius Raised Center Cover	*sfs-radius-raised-center-cover.dxf*
Radius Flat Center Cover	*sfs-radius-flat-center-cover.dxf*
Athletics Radius Cover	*sfs-athletics-radius-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



Radius Middle Cover
SFS-ATH-RAD-MID



Radius Top Cover
SFS-ATH-RAD-TOP



SFS Composite Inspection Chamber
SFS-ROGAR

INSTALLATION OVERVIEW

#	STEP	DESCRIPTION
01	**Trench Preparation**	Excavate trench following the track curve geometry. Compact base to min. C20/25 concrete 100 mm. Check the design radius (R = 36.5 m) before starting.
02	**Channel Placement**	Place radius channel bodies following the curve. Each unit is factory-formed to R = 36.5 m. Align using the track inner edge as reference.
03	**Jointing & Haunching**	Haunch both sides C20/25 concrete (min. 150 mm). Allow to cure before backfilling.
04	**Cover Installation**	Fit the radius-specific cover after track surface application. Confirm flush seating with the finished surface along the full curve.
05	**Final Inspection**	Inspect full curve for cover alignment and joint continuity. Verify outlet connection. Clear debris before track surface is closed.

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.

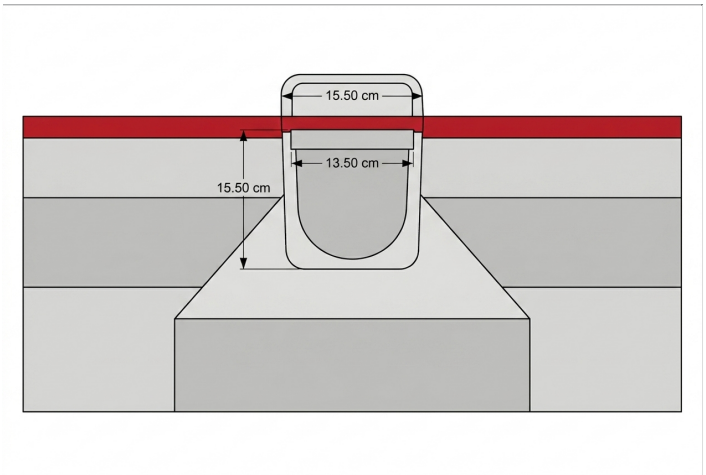
WEBSITE
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E-MAIL
info@sfsdrain.com
CERTIFICATION
World Athletics Approved

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

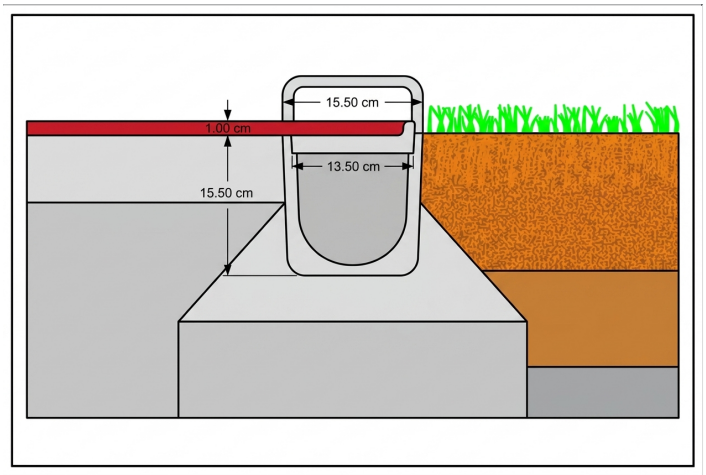
SFS Drain manufactures fully composite drainage systems for standard 400 m athletics tracks. The cross sections below show typical installation layouts for the SFS channel and inspection chamber components.



SFS DRAIN

Channel Installation - Track Level

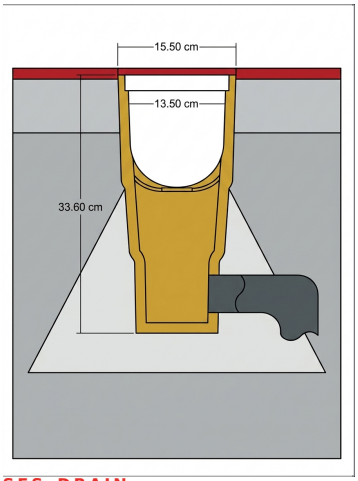
- Composite drainage channel
- Flush with track surface



SFS DRAIN

Channel Installation - Field Edge

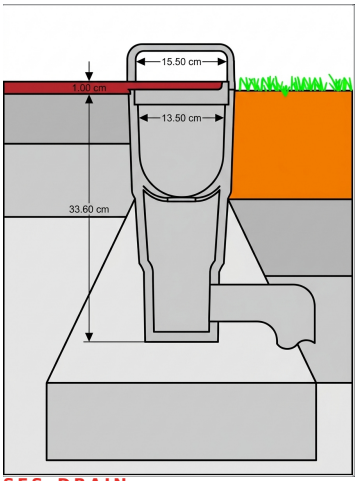
- Composite drainage channel
- D-sector layout



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